Amb-OS User Interface Software Manual

Amb-OS Media, LLC
Amb-OS User Interface Revision 19
(Windows version)
AMR-100 Receiver Firmware Revision 2.28

Revision 22
06/26/14

SUPPORT INFORMATION

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NOTE

As of this version of software, only one receiver can be controlled by the Amb-OS User Interface software on a single PC. With multiple receivers, each receiver needs a separate computer controlling the individual receiver.

WARNING

One AMR-100 receiver can be controlled by multiple Amb-OS User Interface programs on different computers, but without proper precautions, unpredictable results can be experienced.
See Multiple Amb-OS User Interface Instances in the appendix.

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INTRODUCTION

The Amb-OS User Interface (UI) works with the Amb-OS AMR-100 receiver to get satellite delivered programs to automation systems or directly to the air chain quickly, conveniently and without user intervention. Transfers can be done automatically, on schedule or manually. Programs can also be played back just like a live program directly to the air chain.

1. Playlists can be created to allow programs to air or record directly from the AMR-100 receiver.
2. Programs can be transferred from the AMR-100 to a local computer for playback from an automation system in the following ways:
   - Programs can be transferred as soon as they arrive
   - Programs can be transferred on a schedule
   - Programs can be transferred manually
3. When files are transferred, they can also be renamed and converted to a WAV format regardless of the method of transfer. The default file format is MP2.

NOTE

The Amb-OS User Interface actually just copies programs from the receiver to a local hard disk and leaves the original file on the AMR-100. However, "transfer" will be used to refer to this process of copying programs.

Transfer Options

- The "Miscellaneous transfers" section describes how to allow automatic transfers and renaming a program as soon as it arrives.
- The "Rename Files" section describes the process of scheduling a transfer and renaming a program.
- The "Manual transfer" section describes how to manually transfer a program.

WARNING

To transfer programs, Amb-OS User Interface (UI), the computer must be on and the UI running at all times.

The Amb-OS User Interface does not have to be running for the AMR-100 to play a program from its audio ports.

After creating and saving a playlist, it gets transferred to the AMR-100. After being transferred, the AMR-100 will automatically play the programs without any user intervention. If no file transfers are used, the Amb-OS User Interface only has to be running when creating or editing the playlist.

The Amb-OS User Interface also has two log windows (the "Activity Log" and "Status Window") to help troubleshoot problems and, more importantly, display the status of programs being received and transferred. The most used window is the "Activity Log," because it shows which programs have arrived and whether they were transferred.

AMB-OS USER INTERFACE SUMMARY

The Amb-OS User Interface can either transfer programs from the AMR-100 receiver or create a playlist for the AMR-100 receiver that will play a program at a specific time to air live or record. Transferring programs can be done in three ways—Automatically, timed and manually.

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INSTALLATION

Download the Amb-OS User Interface from http://www.Amb-OS.com/support.html. Click on the link for User Interface (UI) Software and save the compressed zipped file to your computer. Extract the Amb-OS User Interface installation program and run the Amb-OS User Interface installation program.

The installation process automatically installs the Amb-OS icon on the desktop. Double click on the desktop icon labeled "Amb-OS Interface" to run the Amb-OS User Interface program.

The appendix has detailed instructions for downloading, extracting and installing the Amb-OS User Interface software.

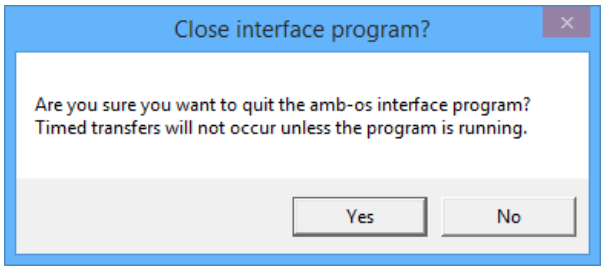
WARNING

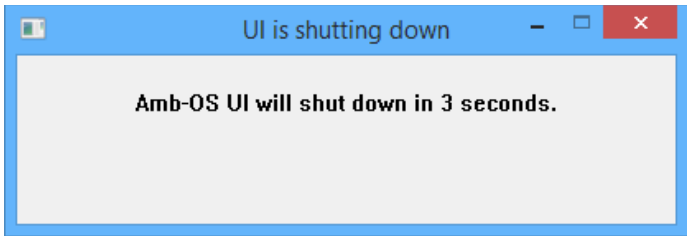
With Windows® 8, do not use compatibility mode when installing the Amb-OS User Interface. This can cause the program to not function properly.

PROGRAM OPERATION

After completing the program installation (see "Installation Details" in the "Appendix"), the User Interface will need to have the "Initial settings" ("System information" and "file renames") configured before running the program for the first time. The "Initial settings" can be imported from a local file, the receiver and from the Ambassador FTP site (see "Initial Installation" in the "Appendix"). If no import file is used the settings will have to be set manually.

Click on "Exit" to terminate the Amb-OS User Interface. A confirmation window will open and, and after confirming the decision to exit, a window will open that delays termination for three seconds to prevent programs in the process of transferring from becoming corrupted.





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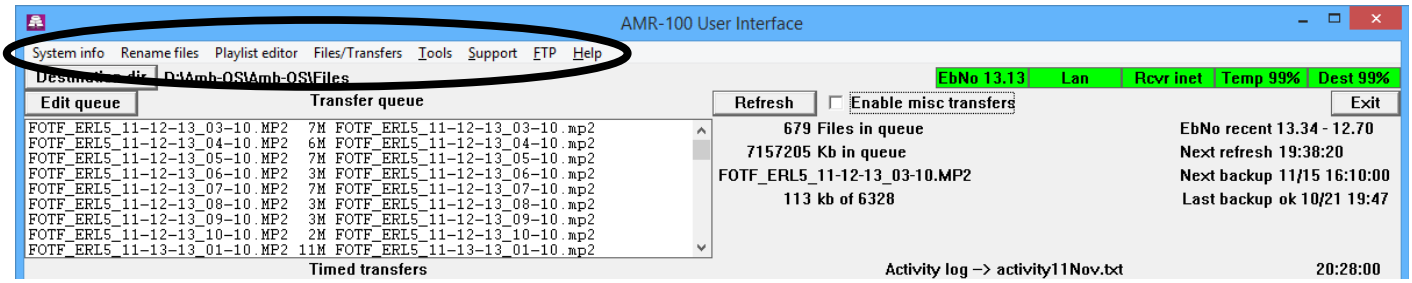
Top Menu, Button, Window and Message Explanation

The Amb-OS User Interface has a Top Menu, various buttons, windows and some messages.

The Top Menu



System info: Opens the dialog box to change the receiver settings. If the network administrator changes the IP Address for the AMR-100 or if it is replaced, the IP address in the receiver parameters will need to be changed to match the AMR-100.

Rename files: Opens the "File Rename" dialog box to allow changing program names when transferring them from the AMR-100 to the destination directory. A transfer time can also be entered. If no name is selected, the program will be transferred with the default Amb-OS system name it has on the AMR-100.

Playlist editor: Opens the Playlist Editor dialog box to define the time and port the AMR-100 uses for audio playback.

Files/Transfers: Opens a box showing the programs on the AMR-100, how they are transferred (timed or automatically) and the transferred name. It also gives the option to manually transfer a program.

Tools: Allows importing and exporting of individual settings: Receiver IP, destination directory, file naming list and transfers and other customized information. It also shows approved programs for the AMR-100 and what files have been received. Programs can be checked for errors and played from the AMR-100's audio ports. Several other utilities have also been included.

Support: Amb-OS support personnel use these options to troubleshoot issues with the Amb-OS User Interface and should only be used when directed by an Amb-OS support personnel. "Backup files to Ambassador" and "Update UI" can be used. If the Amb-OS User Interface computer does not have Internet access, make sure the "Do not send email" is checked in the "Backup and Notifications" settings in the "System Information."

NOTE
Some support options require the computer running the Amb-OS User Interface be connected to the Internet.

FTP: Configures the Amb-OS User Interface to download programs from an FTP site. The FTP transfer can modify the file as specified in the "Output Format" settings in "System Information." MP3 files cannot be converted or modified.

NOTE
MP3 transfers through the FTP option cannot be converted or modified.

Help: Brings up the help window with several documentation files, links and updates. It also shows the current version of the Amb-OS User Interface.

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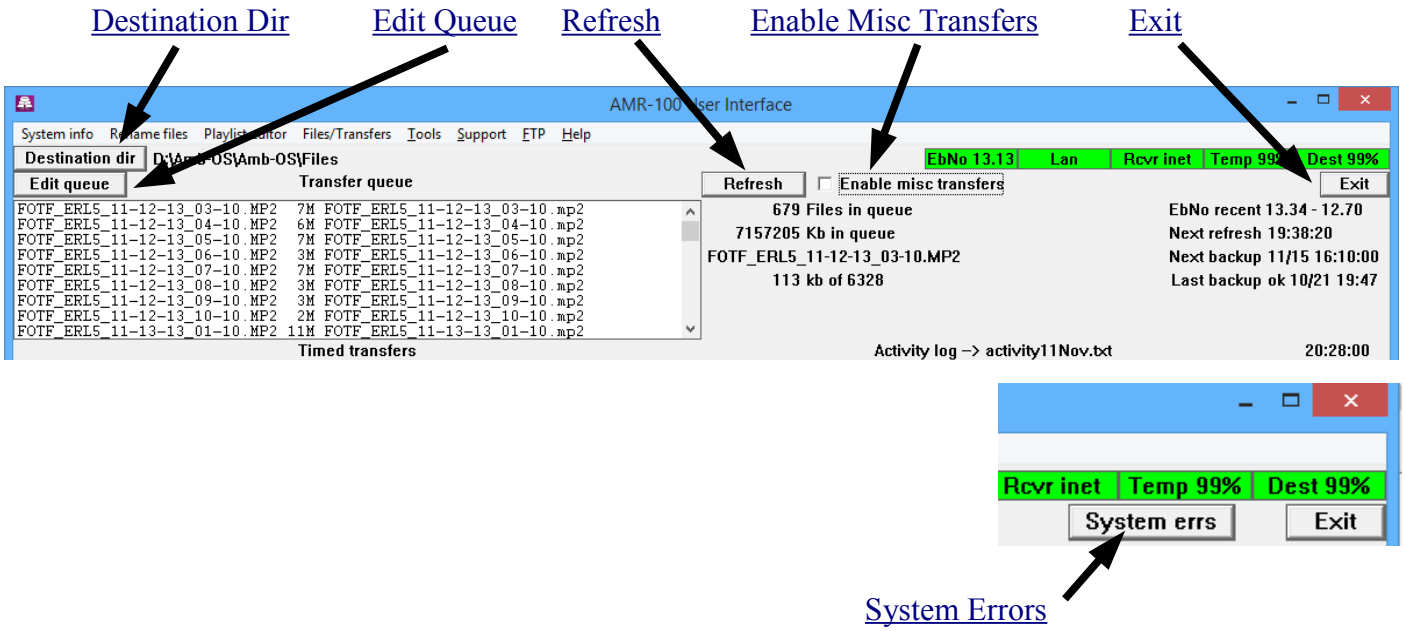
Buttons



Destination Dir: This allows changing the directory where programs are transferred from the AMR-100.

Edit Queue: Allows reordering of the files in the queue.

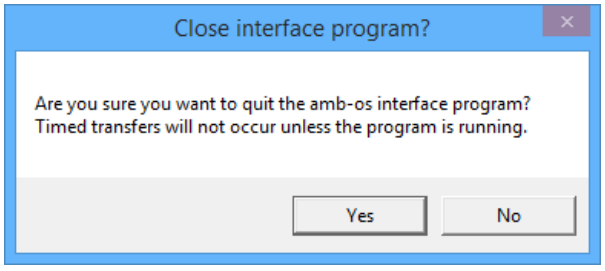
Refresh: This button forces the Amb-OS User Interface to read the AMR-100 hard disk and update the file list.

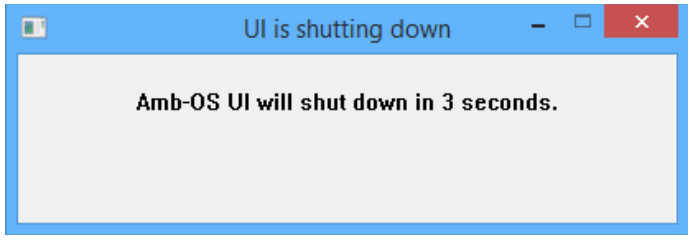
Enable Misc Transfers: When checked, the Amb-OS User Interface automatically transfers programs in the Transfer queue. If any program does not have a timed transfer set, it *will not* transfer unless the Enable Misc Transfers box is checked. File transfers are not used if programs are only played out the audio ports on the AMR-100.

WARNING

"Enable misc transfers" has to be checked to automatically transfer a program with no scheduled transfer time.

Exit: This terminates the Amb-OS User Interface. A confirmation window opens and, after confirming the decision to exit, another window opens providing a three second delay to prevent programs currently transferring from becoming corrupted.





System Errors: This button appears if a problem occurs with the Windows® operating system. Clicking on it opens a window to display the error.

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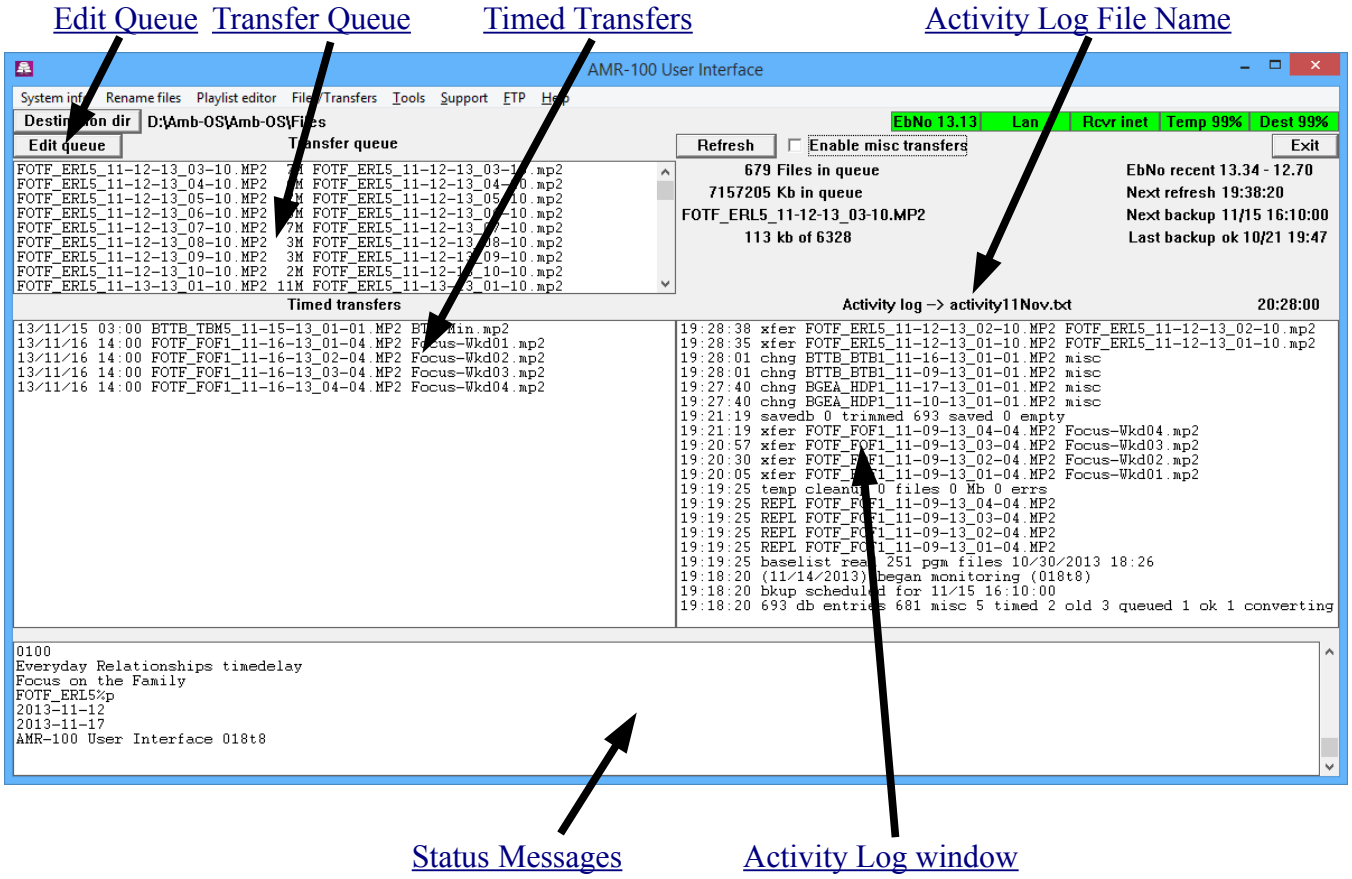
Windows



Edit Queue: Allows changing the order of programs in the Transfer Queue.

Transfer Queue: Shows all the programs to be transferred as soon as they arrive to the directory specified in the "Destination Directory" setting. These programs will only be transferred if the "Enable misc transfers" is checked.

Timed Transfers: Displays the transfer times scheduled in the "Rename files" section.

Activity log window: Shows the program status on the AMR-100's hard drive. The "Activity log file," created automatically, is shown above the Activity log file window with the most recent file shown.

Status Message: This gives a summary of internal network and program messages. It is used primarily for debugging issues by Amb-OS support technicians.

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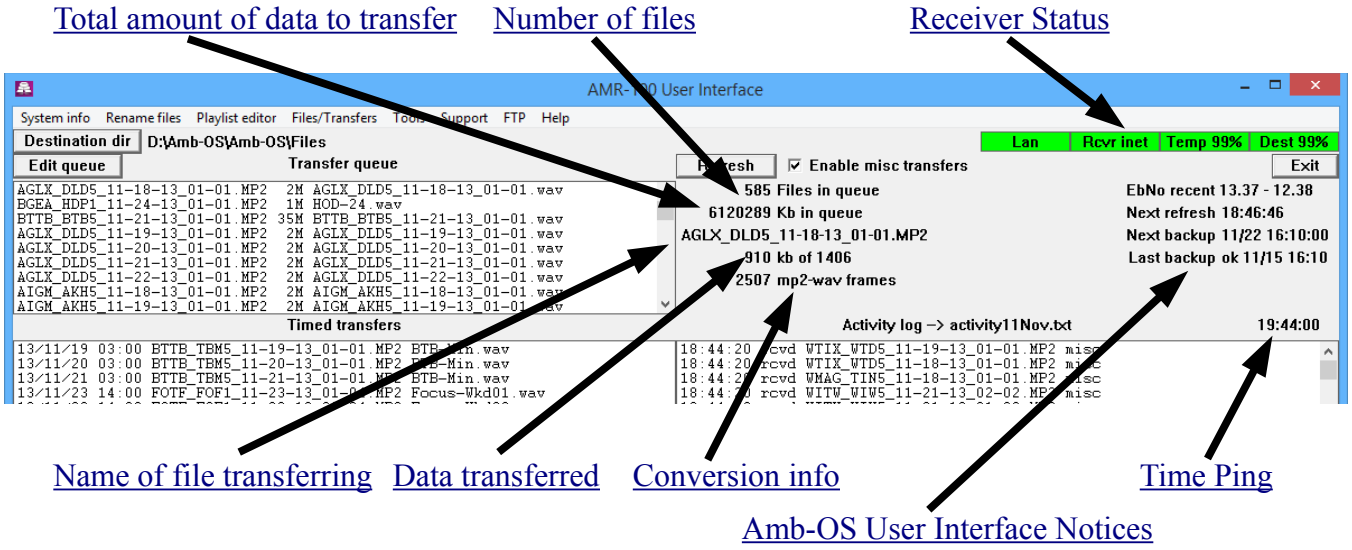
Transfer Messages



Total amount of data to transfer: Shows how much data needs to be transferred for all of the programs to be transferred.

Number of Files: Shows the number of programs to be transferred from the AMR-100.

Receiver Status: Shows the status of the AMR-100 (EbNo, Network and Internet) and available disk space on the Amb-OS User Interface drives. Hovering over the indicators opens pop-up windows with more details of the parameter.

Name of file being transferred: Shows the Amb-OS file name of the program being transferred.

Data Transferred: Displays the how much of the program has been transferred and the size of the program.

mp2-wav Frames: Tracks the progress of a conversion if any WAV format has been selected.

Amb-OS User Interface Notices

Displays the EbNo range over the last 24 hours, the time of the next refresh of received programs, time and date for the next backup and the last backup with it's status.

- **EbNo** reports the EbNo values from the AMR-100. With the AMR-100I (Internet only receiver), the EbNo is 0.00 – 0.00, because no RF is used.
- **Next Refresh** shows the next time the automated refresh will happen to insure that the latest information about program transfers are current and gets the latest program information from the receiver. Next refresh shows the time of the next refresh to check the status of programs on the AMR-100.
- **Next Backup** shows the time the next back up of the Amb-OS User Interface settings.
- **Last Backup** reports the time and status of the last backup.

The Amb-OS User Interface can export the settings to a desired file, but the settings are automatically uploaded to the Amb-OS FTP site and to the AMR-100 receiver. If the Amb-OS User Interface does not have an Internet connection, be sure to check "Do not backup to FTP" in the "System information" settings.

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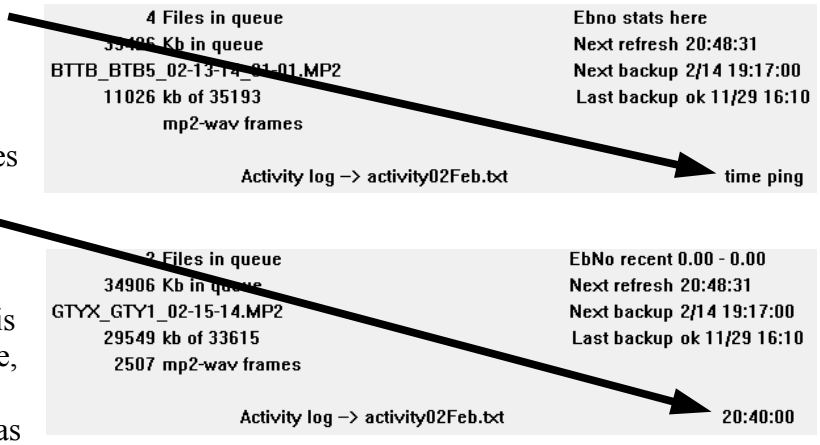
Time Ping: The message “time ping” only occurs when the program is first initiated. It queries the receiver for its time once a minute, so it can take up to a minute for the time to appear.

After the program successfully communicates with the receiver and gets the time, the message “time ping” changes to the current time of the receiver.

While The seconds are displayed as part reading the time from the receiver, the seconds do not update, because the time is only updated every 60 seconds. Therefore, the seconds **do not** update on the screen. This only verifies the AMR-100’s time has been read.



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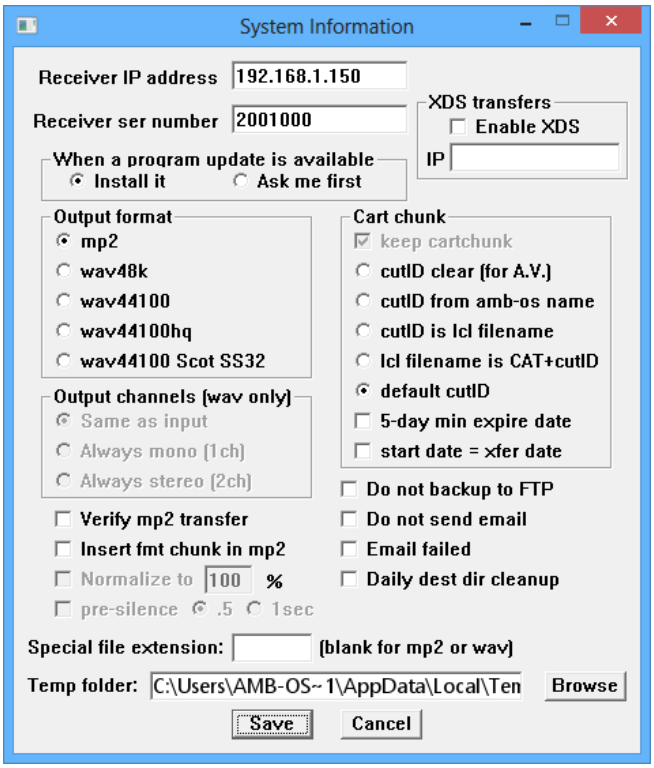
System Info

This configures the settings for the Amb-OS User Interface.



Receiver Parameters

Program Update

Output Format

Output Channels

Transfer Options

Special File Extensions

Temp Folder

XDS Transfers

Cart Chunk Options

Backup and Notification Settings

Save/Cancel

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Receiver Parameters

The IP Address and serial number can be obtained from the front panel of the AMR-100. Press <ENTER> once on the AMR-100 to view the settings and verify them in the dialog box.

Program Update Option

Updates can either be installed automatically or the Amb-OS User Interface can prompt to install it immediately or manually update to the new version at a later time.

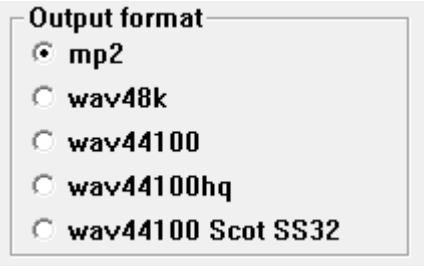
1. "Install it" automatically updates the Amb-OS User Interface (preferred).
2. "Ask me first" will prompt for permission to install the update immediately or at a later time.

To insure proper functioning of the Amb-OS User Interface, select "Install it" to avoid having issues in transferring programs.

NOTE

If the setting for the program updates is set to "Install it," the Amb-OS User Interface will automatically install the update and keep the settings from the previous version when restarting the program.

Output format



Transferred programs can be converted to a WAV format or left as the default Amb-OS MP2 format.

mp2 leaves the program in its native format (48K, MP2 encoding) and just transfers the program using the specified name in the "Renaming Files." With the MP2 format, more options exist to use or manipulate the Cart Chunk data. Some automation systems require changes to the Cart Chunk information, for example, some Audio Vault® systems need to have the "Cut ID cleared" box checked in the "Cart chunk" section. Using the MP2 format, the file extension can be changed, but the "Output channels" cannot be changed.

wav48K leaves the program in its native 48K encoding, but converts it to a WAV file. When converting to a WAV format, the program can be changed to mono from stereo or dual channel from mono or left as the original format using the "Output channels." Some Cart Chunk options can also be used or manipulated.

wav44100 converts the program to WAV at 44.1K. This takes less time, but it also allows changing the "output channels." The Cart Chunk data can only be retained and left unchanged or cleared.

wav44100hq also converts the MP2 format to WAV, but it takes longer due the calculations done during on the conversion. The "output channels" can be changed and the Cart Chunk data can only be retained and left unchanged or cleared.

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wav44100 Scot SS32 converts the MP2 program to a WAV format compatible with some Scott Studios® automation systems by inserting the Scott Chunk header. These Scott Studios® systems only take a 44.1K WAV formatted program, but the other WAV options, "output channels," "normalize" and "pre-silence" can be modified.

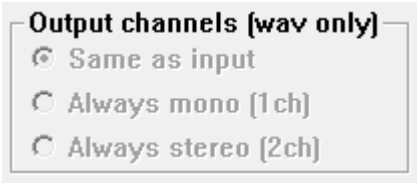
NOTE
The Cart Chunk options cannot be used to keep a program compatible with the Scott Chunk header format.

The Amb-OS User Interface takes the program name from the program's default Cart Chunk information. The Amb-OS User Interface takes the air date in the MP2 program's Cart Chunk for the Scott Chunk start date and the end date is set to "never end."

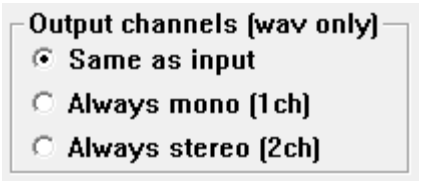
The Scott Chunk cut number comes from the "local pattern" in the "rename files" settings. To insure a proper cut number, the renamed file should be SP####. The Amb-OS User Interface takes the "####" as the cut number. Any pattern without four digits causes the Amb-OS User Interface to use 9999 as the cut number.

The Amb-OS User Interface records the Scott Chunk information in the "Status Messages" window and to verify the Scott Chunk data.

Output channels



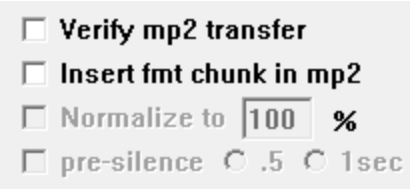
Allows a WAV formatted program to be stereo, mono or left as the program's native setting. The output channel options are disabled when the output format is MP2. Any WAV conversion enables the output channel options.



Same as input keeps program in its original format. (default)
Always stereo (2ch) converts a mono program to a dual mono format and leaves a stereo program unchanged.
Always mono (1ch) mixes a stereo program to one channel and leaves a mono program unchanged.

NOTE
Programs must be converted to WAV to have the output channels changed.

Transfer Options

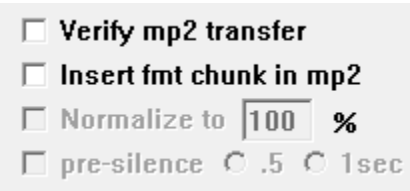


Verify mp2 transfer – If programs are not being received or played correctly, "Verify mp2 transfer" has the Amb-OS User Interface check program for errors while transferring it regardless of the "output format" selected. Clear it after the problem has been identified and repaired, because the verify takes longer to transfer a program.

The Amb-OS User Interface attempts to repair a program three times. After the third attempt fails, the program is still transferred to have a program with a glitch rather than no program at all.

NOTE

Normally, leave Verify mp2 transfer unchecked, because having this option checked takes more time to transfer for a program. If the transfer time is not an issue, the option can be left enabled.



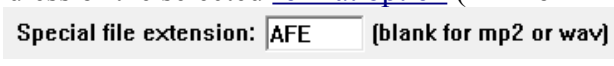
Insert fmt chunk in mp2 – Can only be used with the MP2 format. This inserts the "bext," "mext," and "fmt" chunks in to the Cart Chunk data fields to create the Broadcast Wave Format (BWF). Some automation systems import this information instead of converting the file to WAV. The BWF format needs this option selected, the "special file extension" set as WAV and the format left as MP2.

Normalize to __% – If converting a program to any of the WAV formats, the overall volume can be increased or decreased from 10% of dBfs to 100% of dBfs. Only round numbers can be entered. If entering a non-integer number (90.5), only the whole number (90) is saved. Amb-OS programs have the volume normalized at -6 dBfs or 50% of full volume.

Pre-Silence – A pad of silence can be added to a program if it is converted to a WAV format. To pad the silence to the beginning of the program, check the "pre-silence" box and select either the ".5" or "1" sec option.

Special file extension

Leaving the "Special file" extension box blank puts the default extension of the program on the file (".*MP2*" or ".*WAV*").



However, the extension of all programs can be changed regardless of the selected format option (MP2 or WAV). If an automation system requires an extension like AFE, put AFE in extension box. All programs will have the extension "AFE" with the name specified in the rename files (*filename.AFE*).

Automation systems using the Broadcast Wave Format (BWF), need the WAV extension, but left as an MP2 format. Specify the special file extension as "WAV," select the Insert fmt chunk in MP2 (format the Cart Chunk as a WAV) and leave the program format as MP2.

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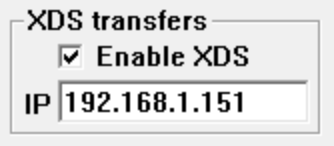
XDS Transfers

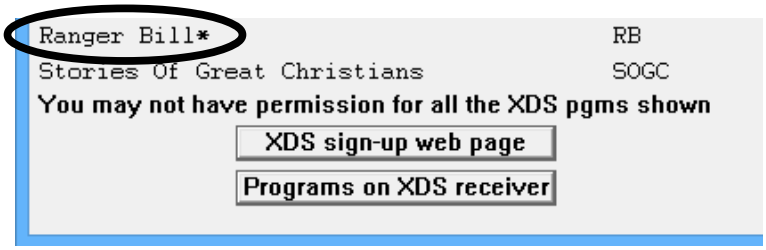
The Amb-OS User Interface can transfer files from the Moody Broadcasting XDS system. Check the "Enable XDS" and enter the IP address of the XDS receiver.



NOTE

To use the Moody Broadcasting XDS system, the XDS receiver needs to be registered with Moody Broadcasting. Contact Moody Broadcasting for complete details on using the XDS system.

When using this option, programs listed with an "*" in the "Rename files" window are the programs on the XDS system. The programs can be renamed with the Amb-OS rename variables and transferred automatically (by enabling "Miscellaneous transfers"), timed and manually just like the standard Amb-OS programs.



Some "Tool" options cannot be used with the XDS receiver.

- Play any file
- Get baselist
- Manage file checker
- Manage status indicators

XDS Permission statement

"You may not have permission for all the XDS pgms shown" reports that, while all programs on the XDS system are displayed, only the programs with the proper permissions will transfer from the local XDS receiver.

XDS Buttons

XDS Sign-up web page button links to the Moody Broadcasting program permission page. Contact Moody Broadcasting (http://www.whereyouturn.org/micro_MainPage.aspx?id=64719) for more information on getting permission for programs.

Programs on XDS receiver displays the programs on the local XDS receiver.

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Cart Chunk Options

This allows a program's Cart Chunk information to remain unchanged, cleared or modified.

Keep cartchunk keeps or removes Cart Chunk data when transferring.

wav44100 or wav44100hq format:

Checking the box keeps the Cart Chunk data and allows modifying it. Clearing the box removes the Cart Chunk data.

MP2 or wav48k format:

Automatically checks the box and allows modifying the data.

wav44100 ScotSS32 format:

Disables the Cart Chunk options.

Options with the "#" are exclusive of the other options.

NOTE

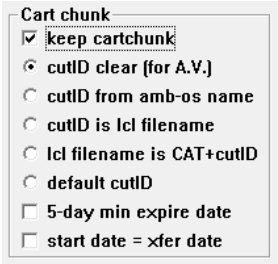
Clearing the "Cart chunk" box disables all other Cart Chunk options.

WARNING

Using the wav44100 or wav44100hq with the keep charchunk selected will enable on of the cutID options. Select the appropriate option to insure proper program transfers.

#**cutID clear (for A.V.)** clears the Cut ID field in the Cart Chunk data. Some older Audio Vault® systems need this option selected. The rest of the Cart Chunk data remains unchanged.

#**cutID from amb-os name** uses the first nine letters of Amb-OS program name as the cutID when transferred from AMR-100. If the files has multiple parts the part number is added to the cutID as "_xx" (_01 for part one, _02 for part two, etc). The "Rename files" windows displays the Amb-OS program name. The program names are explained in the "Appendix."



#**cutID is lcl filename** uses the name entered in the "Rename files" section for the program's Cut ID field in the Cart Chunk data.

#**Lcl filename is CAT+cutID** uses the name entered in the "Rename files" section to fill the category and cutid fields. The first three letters of the name are put in the category field, and the rest is put in the cutid field. For example, using "PGM92132" puts "PGM" in the category field and "92132" in the cut id field. Selecting CAT+cutID option puts a reminder on the "Renaming files." Amb-OS recommends entering the program name in the "Rename files" page before selecting this option.

#**Default cutID** leaves the cutID field in the Cart Chunk unchanged.

5-day min expire date prevents files from being deleted until they are at least five days past their air date. The Amb-OS system normally deletes a file two days after the air date.

Start date = xfer date sets the Cart Chunk start date to the date the program transfers to your local disk. Some automation systems will not play a program before the date listed in the Cart Chunk data. This option allows those automation system to play the program early. This can happen with a program playing on Saturday with a Sunday date.

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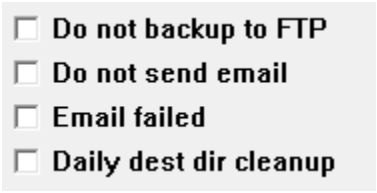
Backup and Notifications Settings



Do not backup to FTP disables the Amb-OS User Interface from doing the weekly backup of file settings to the Amb-OS ftp site. Leave this option unchecked to protect the system from losing settings in the event of a system failure as long as the computer running the Amb-OS User Interface has an Internet connection.

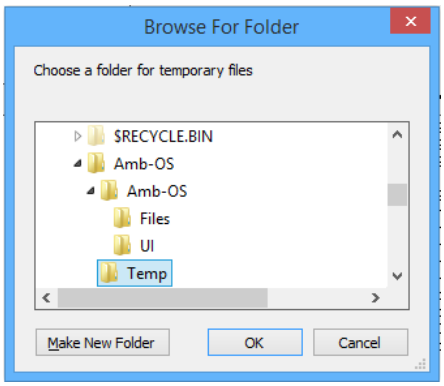
Do not send email prevents the Amb-OS User Interface from sending emails requested by Amb-OS technicians for troubleshooting purposes. Allowing emails to be sent helps Amb-OS technicians resolve issues faster. Leave this option unchecked unless the computer running the Amb-OS User Interface does not have an Internet connection.

Email failed gets checked automatically if the Amb-OS User Interface failed to send emails. The Amb-OS User Interface will not attempt to send any more emails with this box checked. After correcting the problem, clear the box to allow the Amb-OS User Interface to resume sending emails.

Daily dest dir cleanup removes programs from the destination directory if the program no longer exists on the AMR-100. It helps prevent the destination directory from becoming filled, which can prevent programs from transferring. The destination directory can be cleaned manually by using the "Cleanup dest folder" in the "Tools" menu.

Temp folder

When converting programs from MP2 to WAV, the Amb-OS User Interface needs a location for the temporary files used in the conversion process. This option directs the Amb-OS User Interface to a specific directory. If left empty, the Amb-OS User Interface uses the default Windows® temporary file location. Pick a location that has several gigabytes of space to insure there is enough room to do conversions. If the drive does not have the space, conversions will fail and programs may not be transferred.



Select a directory by clicking on the "Browse" button to open dialog box. To create a new folder, use the "Make New Folder" button enter the name of the new directory.

WARNING
If you pick a network drive, be sure the destination computer is always on and the drive is always available to prevent conversions from failing.

Save/Cancel

Click on Save to keep the settings and Cancel to ignore any changes. Either option exits. Clicking on the close window "X" has the same effect as clicking on the Cancel button.

WARNING
Selecting "Cancel" discards changes and revert to the previous settings.

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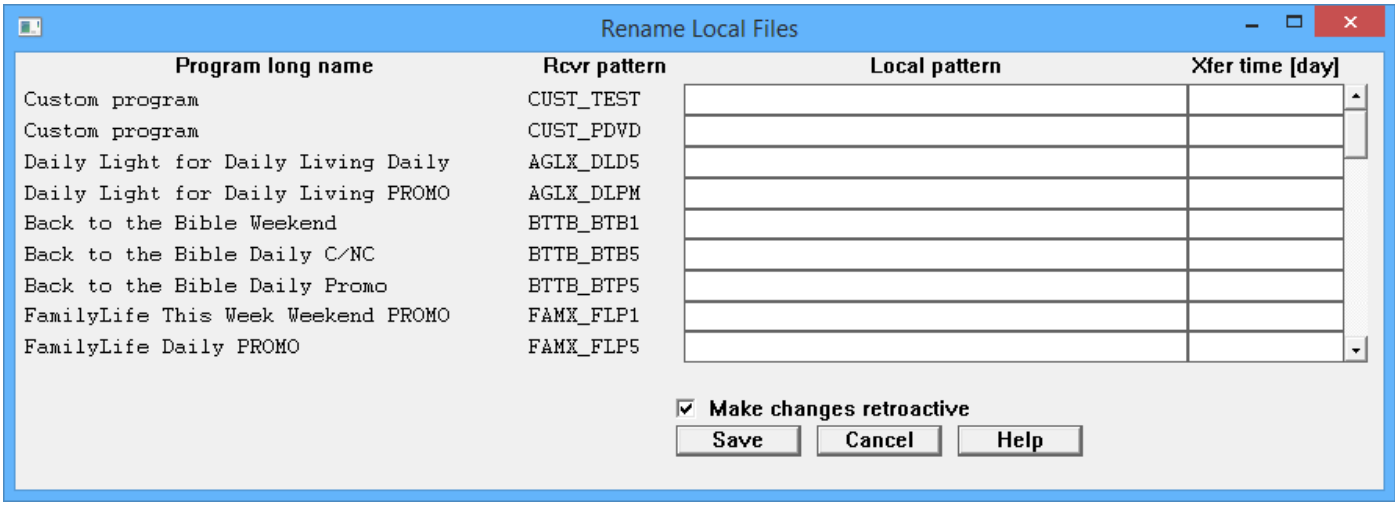
Top Menu Descriptions

Rename Files

The programs on the AMR-100 have names that include the date of the file. This utility programs to get custom names when transferred. Programs can also be scheduled to transfer at a specific time.



Headings

Program long name: This is the name of the program used by the provider of the program.

Rcvr pattern: This is first nine characters of the Amb-OS name of the program on the AMR-100 receiver. The entire file name description is in the "Program Naming Convention" section in the Appendix. All the programs the Program Listing section in the Appendix .

Local pattern: The name the program will have after transferring. Without a pattern, the program will transfer with the Amb-OS system name.

Xfer Time [day]: Defines when a program is transferred; both by both the time and day relative to the air date of the program. Without a time in the "Xfer time [day]," the program needs to be transferred manually, unless the "Miscellaneous Transfer" box is checked to transfer it automatically.

Make changes retroactive: Checking this applies changes to programs in the queue (arrived, but not transferred). Without checking the box, any changes made will be applied to new programs arriving after the changes were made.

Save/Cancel: Saves the changes and "Cancel" reverts to the previous settings.

Help: Shows you the options for renaming and transferring.

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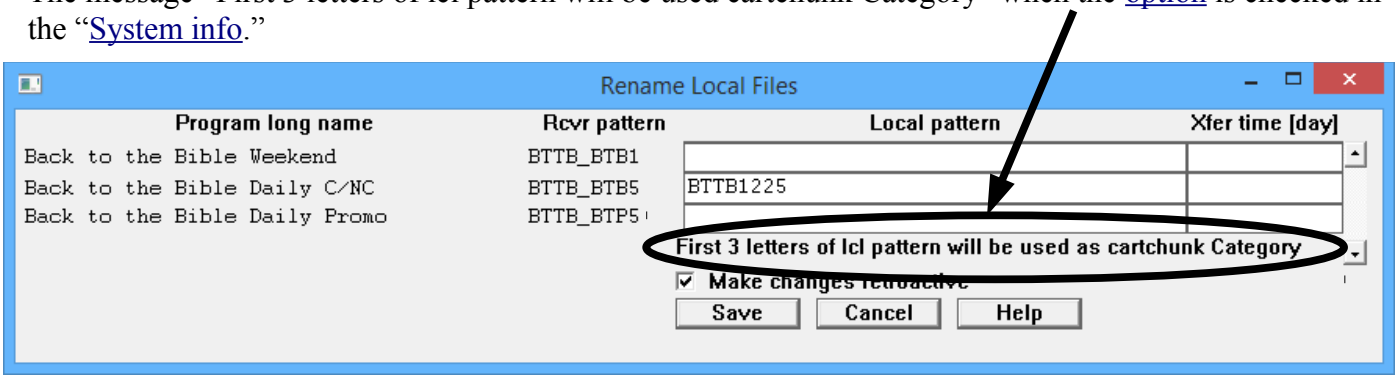
Filename is CAT+cutID Message

The message "First 3 letters of lcl pattern will be used cartchunk Category" when the option is checked in the "System info."



Thus in the local pattern line, BTB1225 would have "BTB" in the category field and "1225" in the cut ID field of the cart chunk data. The filename on the local computer would be BTTB1225.

General information about local patterns and transfer times

If using the same name for a program everyday, timed transfers protects the current day's program by controlling when the new program is transferred. Timed transfers can prevent the next day's program overwriting the current day's program if it arrives before current day's program airs.

WARNING

Using the same name for a program everyday could result in the current day's program being overwritten by a new program if no transfer time is entered.

Programs are transferred after being completely being received so no partial programs get transferred. If a file arrives less than 24 hours after the scheduled transfer time, it will be transferred as soon as it arrives.

WARNING

If the AMR-100 is not attached to the Internet and data packets are missed, the missing packets cannot be received from the uplink server and the file will not transfer. Contact Amb-OS (877-262-6728) to have it retransmitted.

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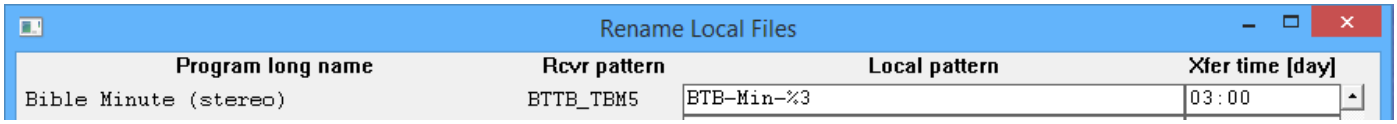
Local Pattern

To change the name of a program, click in the box next to the program to change and enter the name to use when transferring. To change the name of the "Bible Minute" to "BTB-Min," enter "BTB-Min" in the local pattern.



NOTE
Without a rename pattern, the program will keep the Amb-OS system name.

Options

Directory changes:

Programs can be put in different directories by putting a directory name in front of the program name in the "Local pattern." Without specifying a directory, the directory will be the destination directory. A different directory, sub-directory, drive or computer can be used.

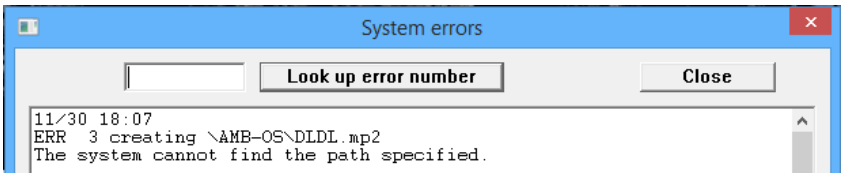
Examples

Parameters

destination directory = "D:\ambos\files" (D: is the default drive)
BTTB = a directory, but it can be any directory name
Bible-Min = the local pattern, but it can be any pattern including variables

Local pattern	Result – program is put in:
Bible-Min	D:\ambos\files
BTTB\Bible-Min	D:\ambos\files\BTTB
D:\BTTB	D:\BTTB
\Bible-Min	D:\
E:\BTTB\Bible-Min	E:\BTTB
\\ambos\BTTB\Bible-Min	Computer named "ambos" in \BTTB

If the specified directory does not exist, the Amb-OS User Interface reports a system error 03 ("The system cannot find the path specified") in the "Activity log."



WARNING
The directory specified in the local pattern must exist or the Amb-OS User Interface will not be able to transfer the file.

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Rename Variables:

The variables used in renaming files allow customized file names to correspond to days, dates or parts. The variables can go anywhere in the local pattern (before, after and in the middle). The options are listed below. Except for multiple part file options, the variables can be used with FTP transfer local file name.

WARNING

Do not use a file extension in the local pattern box. If you do not want the default extension, change it in the "file output extension" option.

Amb-OS program name: FOFT_ODY5_02-18-14_01-03.MP2

Variable	Meaning
x	Do not transfer the program
%m	The two digit month will be added to the file name: "02"
%d	The two digit day will be added to the file name: "18"
%y	The year of the air date in YY format will be added to the file name: "14"
%w	The day of the week in two letter format will be added to the file name: "Tu"
%3	The day of the week in three letter format would be added to the file name: "Tue"
%n	The numerical day of the week beginning with 1 (Sun. = 1, Mon. = 2... Sat. = 7) would be added to the file name
%z	The numerical day of the week beginning with 0 (Sun. = 0, Mon. = 1, Tue. = 2... Sat. = 6) would be added to the file name
%j	The Julian date or the number of the day of the year. An air date of 01-01-14: adds "001" to the file name An air date of 12-31-14: adds "365" to the file name An air date of 12-31-16: adds "366" to the file name (Leap Year)
Multiple Part Programs (without either option, the program is transferred as one file)	
%p	the part number of the program with two digits Part one has "01" added to the file name Part two has "02" added to the file name, etc. A single part file has nothing added to the file name
%1	The part number of the program with a single digit Part one has "1" added to the file name Part two has "2" added to the file name, etc. A single part file has nothing added to the file name

Multiple variables can be used for the same file and can have separators between them.
%m-%d_%p would have 02-18_01 in the name of the file.

The program will either have the normal format extension – WAV for wave files and MP2 for MP2 files. However, if a custom extension was specified, then the program will have that extension when it is transferred. The "FTP transfer" cannot change the MP3 extension regardless of the custom extension.

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Examples

Program: FOTF_FOF5_05-06-14_01-01		
Pattern	Name	Comment
FOFD	FOFD.MP2	Program has the same name everyday and would overwrite previous programs.
FOFD%m%d	FOFD0506.MP2	The month and day are added to the program name.
FOFD%3	FOFDWED.MP2	The three letter name of the broadcast day are added to the program name.
Program: FOTF_ODY1_05-22-14_01-03		
Pattern	Name	Comment
ODY_W-%p	ODY_W-01	Part one has "-01," part two has "-02" and part three has "-03" at the end of the program name.
ODY_W-%m-%d_%1	ODY_W-05-22_1	The month and date are added and the program part number is added with part as "-01," part two as "-02" and part three as "-03" at the end of the program name.
ODY_W-%m-%d	ODY_W-05-22	The month and date are added and the program without a part number, because no part number variable was added.

If "CutID is lcl filename" is checked in the "System info" then the entered program name is used as the Cart Chunk cutID. If the option "lcl filename is CAT+cutID" is checked in the "system info," then the first three characters of the filename pattern is put into the Cart Chunk data as the category and the remaining characters are put in as the cut ID.

Xfer Time [day]

General Information

The "Xfer time [day]" dictates the program transfer time in 24 hour format (00:00 – 23:59) and, optionally, a day offset to determine the day the program will be transferred in relative to the air date. Leaving the "Xfer time [day]" field blank means programs have to be transferred manually unless the "Enable misc transfers" box is checked.

Scheduling a program transfers

Transfer times protect programs from being overwritten if same program name is used in the "rename pattern." For example, if using "IFL-Daily" for all programs and the new program arrives at 8:00 am and the program airs at 9:00 am, that program could be replaced when the new program arrives. By putting in a transfer time after the program finishes airing (9:30 am or later) avoids this problem.

The Amb-OS User Interface automatically transfers a program if the program arrives less than 24 hours after the scheduled transfer time. A program arriving at 11:00 pm with a scheduled transfer at 8:00 pm will be automatically transferred. A program arriving later than 8:00 pm a day after the scheduled transfer would have to be transferred manually.

WARNING

Scheduling transfers before programs are successfully received can result in unpredictable results.

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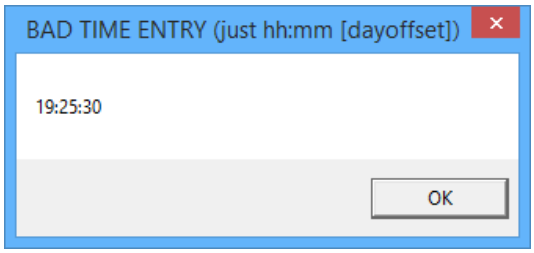
Amb-OS program transmission times listed in the "Amb-OS Program Listing" table in the "Appendix" are the queue times of the program. Program transmission times can be delayed from the queue times based on the number programs scheduled for transfer. Additionally the "Amb-OS Program Listing" table also lists the number of days in advance of the air date the Amb-OS system sends the program.

Time Parameters

Time should be entered as HH:MM in 24 hour format without the seconds. Use 03:00 for 3:00 AM and 15:00 for 3:00 PM. Times range from 00:00 (the morning of the current day) to 23:59 (one minute before midnight). Entering 11:00 would transfer the file at 11 AM local PC time.

Time must be entered with only the hour and minutes. Entering seconds with the time will create and error.



WARNING
Entering the seconds (11:15:20) results in an error.

Programs arriving less than 24 hours after the scheduled transfer time will be automatically transferred after the AMR-100 has successfully received the program. Programs arriving more than 24 hours after the scheduled transfer time will have to be transferred manually.

Day Offset Parameters

The day offset is the number of days before (-1, -2) or after (+1 or 1, +2) the air date of the program to transfer. Without a day offset specified, the "After 12P (noon) Rule" applies to the transfer. Times before 12:00 PM (noon) transfers the program on its air date. Schedules on or after 12:00 PM (noon) transfers the next day's program assuming the program was successfully received.

The day offset must be entered with a transfer time. "11:00 -1" would transfer the file at 11:00 AM local PC time one day before the air date.

WARNING
The day offset parameter must be entered with a transfer time.

Day offset description for transfers

Day offset description

-2 = two days before the air date of the program
-1 = the day before the air date of the program (prefeed)
0 = current day
1 or +1 = the day after the air date of the program
2 or +2 = 2 days after the air date of the program

WARNING
The day offset parameter should not be greater than the number of days in advance a program is sent from the Amb-OS satellite system to avoid missing a scheduled transfer by more than 24 hours.

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Examples of day offset

Times with a day offset specified – nullifies the "After 12 PM (noon) rule"
06:00 -1 = Transfers a day before the air date
15:00 0 = Transfers the same day's file at 3 pm even though the transfer is scheduled after noon.

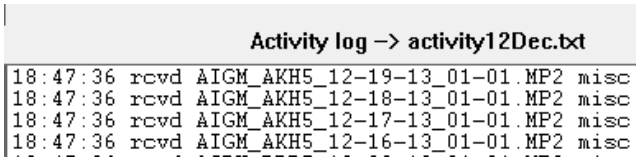
Times with no day offset specified – the "After 12 PM (noon) rule" applies
06:00 = Transfers the same day's program (same as using 0 as the day offset)
15:00 = Transfers the next day's program (same as using -1 as the day offset)

File transmission time vs. queue time

When considering a scheduled time, check the program's queue time. Programs normally get sent at the queue time listed in the program table; however, server traffic may delay the actual satellite transmission time. The program table lists queue times in Eastern Time. Avoid transfer errors by scheduling transfers an hour after the queue time.

WARNING

The queue time may not be the transmission time. The queue time is the scheduled transmission time. The actual transmission time will be later if a previously scheduled program has not finished transmitting at the queue time. The program will be sent immediately after the previous program(s) have completed transmitting.



Because the Amb-OS satellite system sends programs sequentially, the next program in the queue cannot be sent until the previous program has finished transmitting. While the Amb-OS queue schedule has been designed to space programs to avoid delays in program transmission; however, programs can still be delayed. Check the actual arrival time of program in the activity log file to verify the actual transfer time.

The program table at the end of this manual in the Appendix lists programs with their queue time. The most current table is online at http://www.amb-os/programs.

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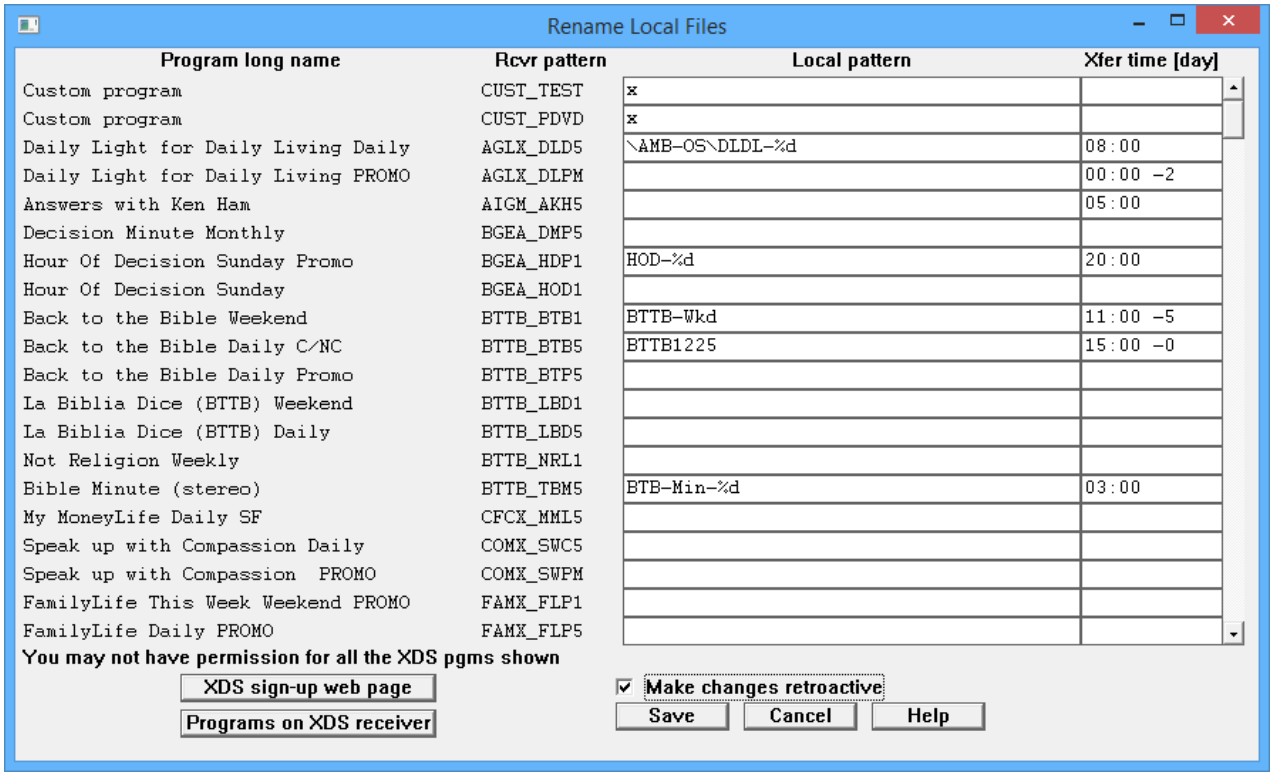
Examples of Rename files



This section assumes that the output format will be MP2 and not converted to a WAV file. With the output format selected as a WAV, everything will be the same but the files will a wav file and have the WAV extension when transferred unless a special file extension was used.

The screen shot above illustrates the following actions:

MM-*DD-YY* is the air date of the program.

CUST_TEST and CUST_PDVD will not be transferred, because of the "x" in the local pattern.

AGLX_DLD5 will be transferred on its air date, because no day offset is entered, so it follows the "After 12 PM (noon) rule." It will be named "DLDL-15.MP2" if the air date is on the fifteenth of the month. It will also be put in the "\AMB-OS" directory on the root drive of the destination directory.

AGLX_DLPM will be transferred at midnight local time two days before the air date with the default Amb-OS system file name (AGLX_DLPM_*MM-DD-YY*_01-01.MP2).

AIGM_AKH5 will be transferred at 5:00 AM on the air date of the program with the default Amb-OS system file name (AIGM_AKH5_ *MM-DD-YY*_01-01.MP2).

BTTB_BTB1 will be transferred at 11:00 AM local time as "BTTB-Wkd.MP2" five days before the air date. If the program arrives only three days before the air date, the program will have to be manually transferred, because it would arrive more than 24 hours after the scheduled transfer time.

BTTB_BTB5 will be transferred as "BTTB1225.MP2" at 3:00 PM Local PC time and it will transfer the same day's program, because of the "-0" parameter bypassing the "After 12 PM (noon) rule."

BTTB_TBM5 will be transferred at 3:00 AM local time as "BTB-Min-11.MP2" if the air date is the eleventh of the month.

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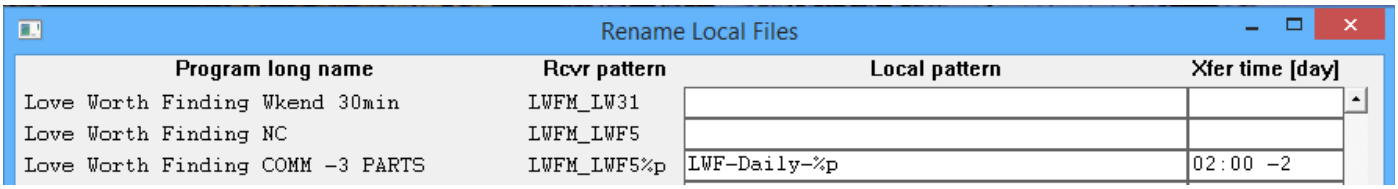
Multiple Part Files

A multi-part file has the number of parts after the "program long name." Using %p or %1 in the local pattern puts the part number in the local name.
%p – *Program-Name*-01, *Program-Name*-02, *Program-Name*-03, etc.
%1 – *Program-Name*-1, *Program-Name, Program-Name*-3, etc.
The "-" has to put in the local pattern: *Program-Name*-%p or *Program-Name*-%1.
No designation – *Program-Name* combines all the parts and transfers it as a single program.

Example (Love worth Finding Comm -3 parts)



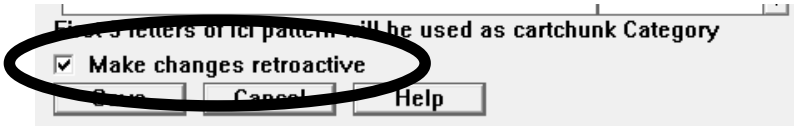
Local Pattern – LWF-Daily-%p Xfer time [day] – 02:00 -2

It will be transferred at 2:00 AM local time, two days in advance and as three parts.
First part: LWF-Daily-01.MP2
Second part: LWF-Daily-02.MP2
Third part: LWF-Daily-03.MP2

Just having "LWF-Daily" in the local pattern (no %p or %1), it will be transferred as a single program.
LWF-Daily.MP2

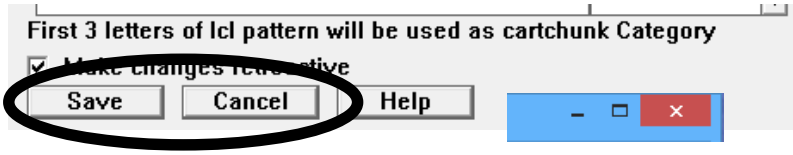
Making changes retroactive

Checking this box applies the rename pattern changes to any files currently on the AMR-100, but have not been transferred. Leaving the box unchecked will only apply the new name to programs received later.



Saving changes

After completing changes, click on "Save" to apply the changes.



Save: Saves the changes you have made.
Cancel: Ignores the changes you made and closes the window.
Clicking on the X in the upper left corner the window also cancels any changes.

WARNING
You must press Save after making any changes. Pressing Cancel or just closing the window discards any changes.

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Playlist Editor

General Description

This tool creates a playlist for the AMR-100 receiver to play programs out of audio ports for on air or recording. Relay closures can be assigned to programs (see the AMR-100 Installation manual) for playback to communicate with an automation system.

Check the queue time for programs to make sure programs are not scheduled before being received. The program table at the end of this manual in the "Appendix" lists programs with their queue time. The most current table is online at http://www.amb-os/programs. Transmission times may be different than the queue time (file transmission versus queue time).

WARNING

The queue time may not be the transmission time. The queue time is the scheduled transmission time. The actual transmission time will be later if a previously scheduled program has not finished transmitting at the queue time. The program will be sent immediately after the previous program(s) have completed transmitting.

Triggers

At this time, triggers cannot be entered into the playlist by the Amb-OS User Interface. To use triggers, create a playlist with the Amb-OS User Interface playlist editor, write the playlist to a local drive and then edit the playlist with a plain text editor (Notepad®) or with the Stand-alone Playlist Editor (http://www.amb-os.com/pdfs/playlisted-rev005.zip). The User Interface (UI) Software Playlist Manual (available at http://www.amb-os.com/support.html) explains the playlist commands in greater detail.

The playlist editor uses the receiver specified in "System Info" section and automatically pulls in the playlist on the AMR-100 for editing. The Amb-OS User Interface saves it back to the AMR-100.

WARNING

After editing the playlist outside of the Amb-OS User Interface playlist editor, do not bring the playlist back into the Amb-OS User Interface, because it can make unwanted changes.

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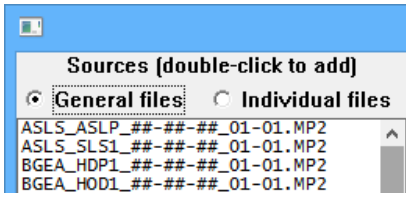
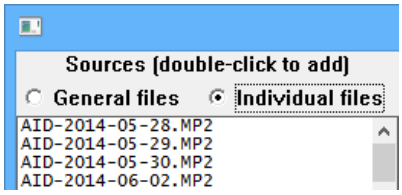
The buttons

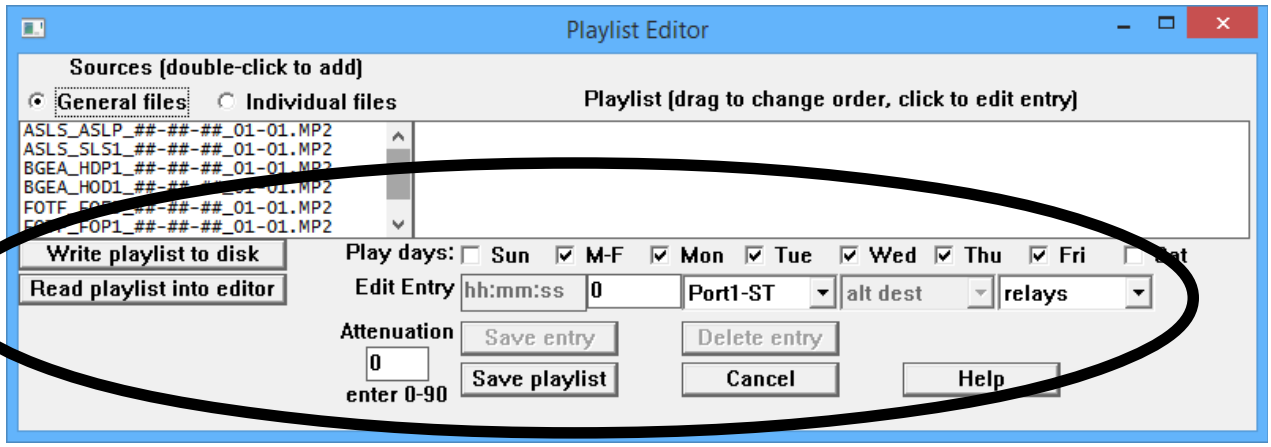
The first time the playlist editor opens no programs appear in the playlist window, but all available programs on the AMR-100 are listed in left window. Programs are listed in the "wild card" format, which uses "##-##-##" in the filename in place of the air date as specified in the Amb-OS system naming convention. The "wild card" files allows programs to be played back automatically on the air date of the program without having to change the playlist everyday. Optionally, you can specify a single date. See the Amb-OS system naming convention section in the "Appendix."

General files/List individual files: All available programs can be listed or by the actual Amb-OS System name on the AMR-100.



General files lists all available programs using the "wild card" (##-##-##) in place of the date.
Individual files lists only the programs on the AMR-100 with with the air dates (05-27-14) in the program name





Write playlist to disk: Saves the playlist to a file on a computer for archiving, backup or editing.
Read playlist into editor: Loads a playlist into the editor from a computer for editing. It can then be saved to the AMR-100, but it will overwrite the playlist on the AMR-100.
Save entry: Saves the entry to the AMR-100. If this button is not clicked, the changes to the playlist will not be saved to the **AMR-100**.
Delete entry: Removes an entry. Highlight the desired program and click on "Delete entry."
Attenuation: This reduces the audio level of programs as they are played. The affects all programs played from the **AMR-100** and not just the entry being edited.
Save Playlist: Click this button to save the playlist to the receiver. The playlist can be saved to a local disk and not the AMR-100.
Cancel: Used to discard changes made to the playlist.
Help: This brings up the help menu.

NOTE
The attenuation settings affects all programs played from the AMR-100's audio ports and not just the program being edited.

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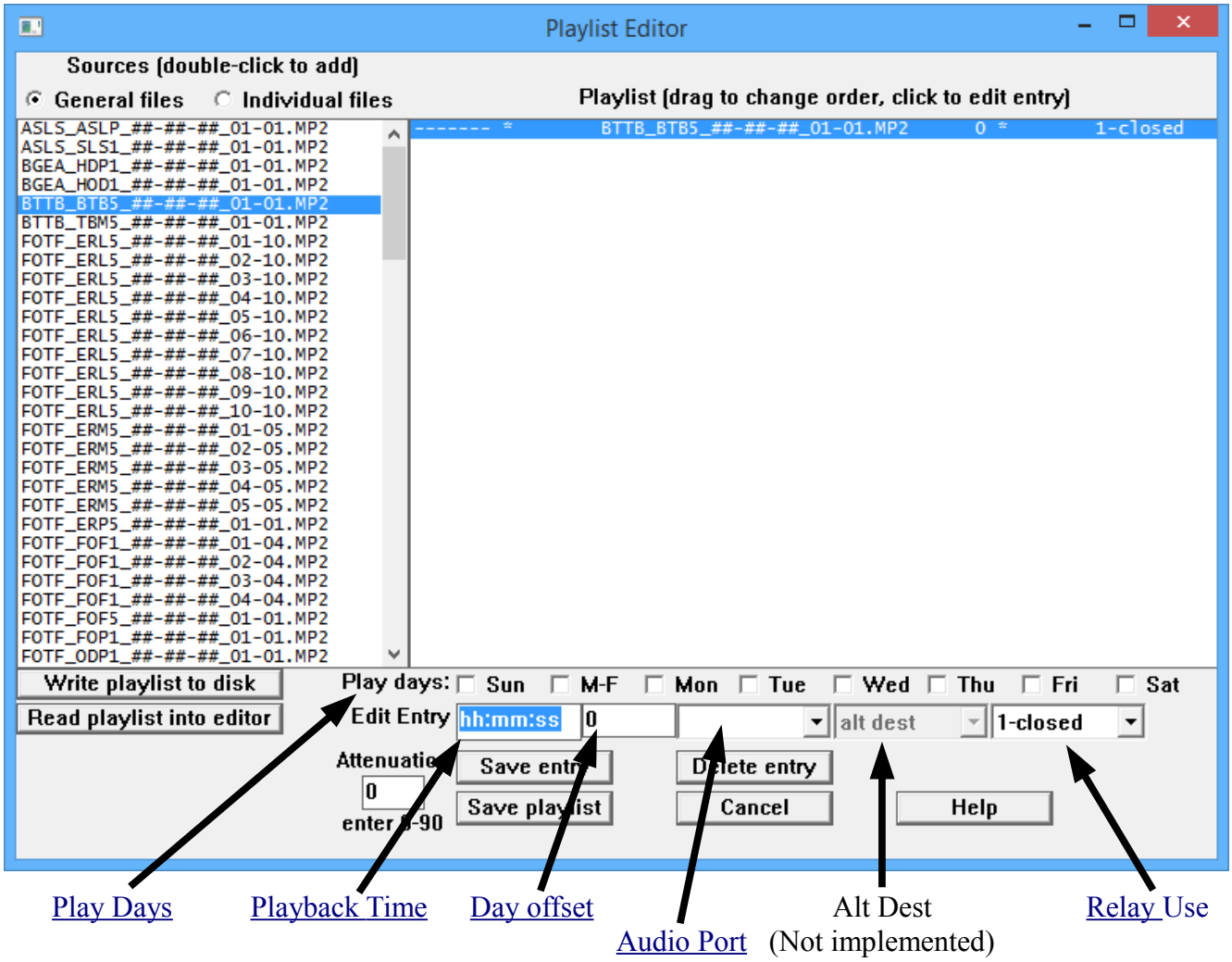
Creating a playlist

The basic steps to create a playlist:

1. Double click on the program to play in the window on the left. This brings the program to the Playlist window on the right. "Save entry," "Delete entry" and "Save playlist" become active.
2. Click on the program in the Playlist window to edit the playback parameters. This is done at the bottom.
3. Change the playback parameters and click on "Save entry" to save the changes.
4. Repeat steps 1-3 to for each program to add to the playlist.
5. Click on "Save playlist" to save the playlist to the AMR-100.



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Play Days: Check the days that the program will play. Selecting M-F checks the Mon, Tue, Wed, Thu and Fri boxes; however, each day can be deselected individually. Clearing the M-F box also clears the each weekday box. To play a program on Saturday and Sunday, each one of those must be selected.

After saving the entry, the playlist editor shows which days a program will play by putting the first letter of the day at the beginning of the entry.

"-mtwtf-" – Program airs weekdays:
"-m-w-f-" – Program airs Mon., Wed. and Fri.
"------s" – Program airs Saturday
"s-----s" – Program airs Saturday and Sunday
"*" – Program has no time as part of a multiple part program

```
-mtwtf- 05:30:00 BTTB_BTB5
s------ 09:00:00 FOTF_ODY1
s------ *        FOTF_ODY1
s------ *        FOTF_ODY1
----t-- 23:15:00 FRCA_WWW1
```

Playback Time: This sets the playback time of the program. It must be entered in 24 hour format and can be down to the second. 05:00:00 airs at 5:00 A and 17:00:00 airs at 5:00 P. A time must be entered for each program. Only the first part of multiple part programs needs a time if all the parts are to play consecutively without a break. See "Playing Multiple Part Files." To play the same program multiple times, see "Multiple Airings."

If a program does not have time, it will be treated as the next part of the previous program. Scheduling "Grace to You" at 11:30 and then putting in "Insight for Living" after that without a time, would play "Grace to You" at 11:30 and then "Insight for Living" immediately afterward without a break.

WARNING

Without a playback time for subsequent programs in the playlist, the first program plays at the specified time and following program(s) play right after each other without a break as a multiple part program.

Day offset: Programs can be played before ("+#"), on ("0") or after ("-#") the air date.

Playlist day offset
1 or +1 plays the program one day before the air date (a prefeed).
0 plays the program on the air date.
-1 plays the program 1 day after the air date (playing a file on Sunday that has a Saturday air date).

WARNING

The playlist day offset is opposite from the renaming files day offset.

(See the "Playlist Day offset" section in the "Appendix.")

NOTE

Playlists do not follow the "After 12PM (noon) Rule." Without a day offset, the AMR-100 will play the current day's program regardless of the scheduled time.

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Audio Port: This selects the audio port to use for playback. The AMR-100 has two ports and can play back in either stereo or mono.

WARNING
Leaving the Port blank (the default when starting to edit an entry) puts in an erroneous port and no program will play.

Port options:

Port1-ST: Plays out the left and right of Port 1 – a mono program plays out L and R
Port1-L: Plays out the left side of Port 1 only in mono – a stereo program is mixed
Port1-R: Plays out the right side of Port 1 only in mono – a stereo program is mixed
Port2-ST: Plays out the left and right of Port 2 – a mono program plays out L and R
Port2-L Plays out the left side of Port 2 only in mono – a stereo program is mixed
Port2-R Plays out the right side of Port 2 only in mono – a stereo program is mixed

Maximum number of programs that can be played:

2 programs: Port 1 in stereo and port 2 in stereo
3 programs: Port 1 in stereo and port 2 playing a mono feed on the left and the right channels
3 programs: Port 1 playing a mono feed on the left and the right channels and port 2 in stereo
4 programs: Both ports playing separate mono feeds on the left and right channels

For a full description of the audio ports and limitations see the AMR-100 Installation manual.

Relays: This assigns a relay and its action to a program. A relay can be closed for the entire length of the program or it can be pulsed (close for one second and then open) at either the beginning OR the end of a program. The Amb-OS User Interface playlist editor cannot put in multiple relay actions for the same entry. Use the Stand-alone Playlist Editor to put in multiple relay actions for a single program entry. Download the Stand-alone Playlist Editor (http://www.amb-os.com/pdfs/playlisted-rev005.zip) from http://www.amb-os.com/support.html.

The drop down menu allows choosing the relay and action. Remember, relays 5 and 6 are normally used for time sync and alarms. Unless you have disabled those on your AMR-100 receiver, do NOT choose those relays. See the AMR-100 User Manual available from http://www.amb-os.com/support.html to enable to disable relays 5 and 6 from their default function.

The relay options are ("X" = the relay number):

relay: No relay activity for that file
X-close: close the relay for the entire length of the program and open it at the end of the program
X-start: pulse the relay at the beginning of the program
X-end: pulse the relay at the end of the program

Attenuation: Sets the amount of attenuation (in dB) for all programs during playback. Enter "0" (full volume) to "90" (effectively silences the output) in integers. This only effects programs played out of the audio ports and it does not effect the transferred programs. No amplification can be made, because the gain on the receiver defaults to full volume.

Example: "6" drops the volume by 6 dB.

NOTE
Attenuation parameters changes all programs and it cannot be used for individual program playback.

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Save Entry: After completing changes for each program, click on "Save entry" or the changes will be lost.

WARNING
Click on "Save entry" after every program or the changes will be lost.

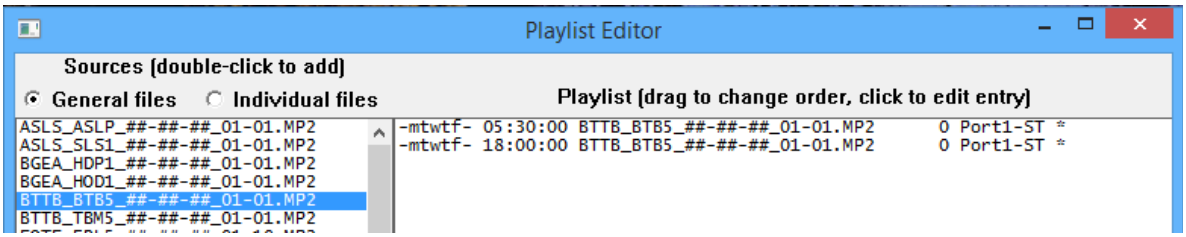
Delete Entry: To remove a program from the playlist, highlight the entry to delete and press "Delete entry." A deleted entry cannot be recovered. While, the "Cancel" button can be clicked and the playlist reloaded, that would also remove any previous changes.

WARNING
"Delete entry" is immediate and no confirmation is asked.

Multiple Airings

Same day airings (different times)

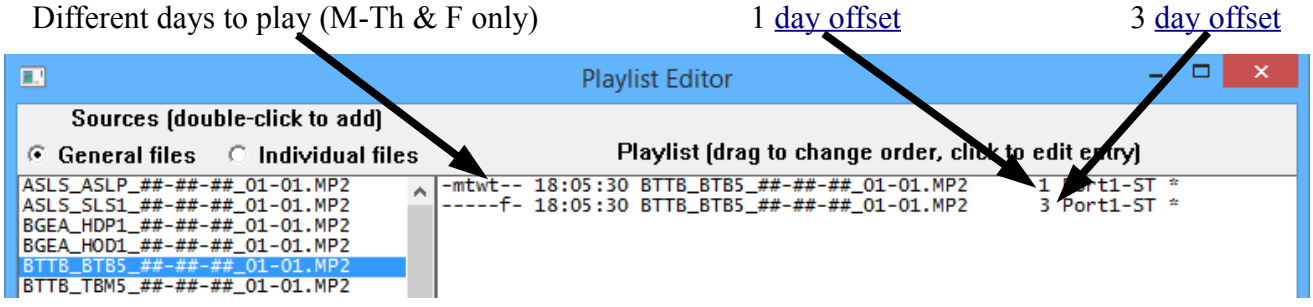
Airing a program multiple times during the day, requires and entry for each time airing. Select the program for the first airing and modify the playback parameters and select Save entry. Then double click on the same program to insert it into the playlist again and put in the new air time. The following illustration shows the program set to play at two different times.



Different day airings (same times)

Prefeeds for daily programs may have to account for the weekend. Tuesday's – Friday's programs come on Monday – Thursday, but Monday's program has to come on Friday or three days early. Even though the feeds play at the same time, the playlist needs two entries to account for the different day offsets. Monday's prefeed on Friday plays back three days early to skip Saturday and Sunday. The other prefeeds playback one day in advance. The same program has the same time, but two different day offsets.

The following example shows the same program at the same time with different day offsets.



WARNING
Not all programs feed enough days in advance to have a three day offset. Check the feed days in the Amb-OS program table in the "Appendix."

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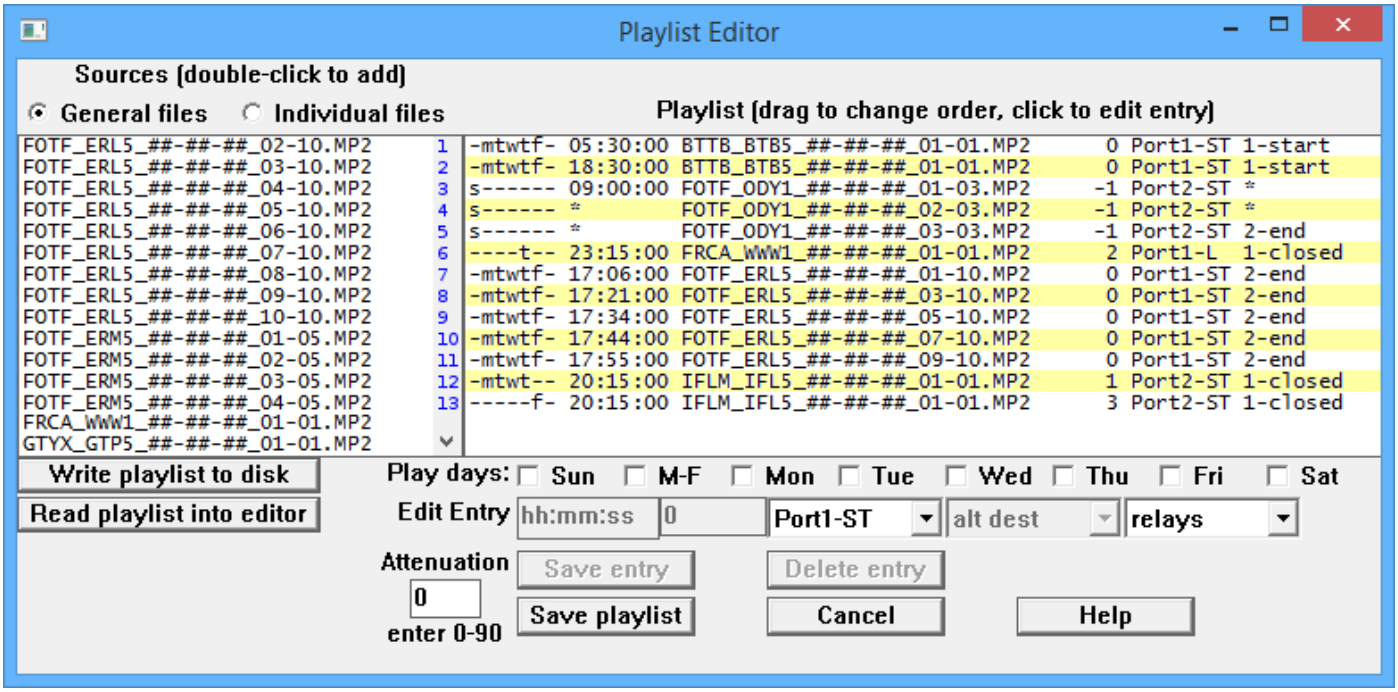
Playlist Example



(Line numbers to the left and highlights are for illustrative purposes only)

Entry #1: Plays the current day's Back to the Bible every weekday at 05:30:00 in stereo and pulses relay #1 at the start of the program.

Entry #2: Replays the current day's Back to the Bible every weekday at 18:30:00 in stereo and pulses relay #1 at the start of the program.

Entries #3-5: Plays the multiple parts of Adventures in Odyssey beginning at 09:00:00 every Sunday in stereo out of port two and only part three pulses relay #2 when all three segments have finished playing. The day offset is "-1" for all segments, because the air date for the program is a Saturday and airing the program on Sunday means each one airs a day later.

Entry #6: Plays Washington Watch for recording two days early at 23:15:00 for recording in mono out of port 1-left channel. Relay #1 stays closes for the entire program playback.

Entries #7-11: Plays each segment of Everyday Relationships at a fixed time Monday through Friday and pulsing relay #2 at the end of each segment.

Segment 1 (part 1 of 10) plays at 17:06 and pulses relay #2 at the end of the program
Segment 2 (part 3 of 10) plays at 17:21 and pulses relay #2 at the end of the program
Segment 3 (part 5 of 10) plays at 17:34 and pulses relay #2 at the end of the program
Segment 4 (part 7 of 10) plays at 17:44 and pulses relay #2 at the end of the program
Segment 5 (part 9 of 10) plays at 17:55 and pulses relay #2 at the end of the program

Entries #12, 13: Plays a prefeed of Insight for Living at 20:15:00 one day early on Monday through Thursday and three days early on Friday to account for the weekend. Each program pulses relay #1 at the end of the program.

WARNING

Day offsets in this example are used for illustrative purposes only. Verify the feed days in the Amb-OS program table in the "Appendix."

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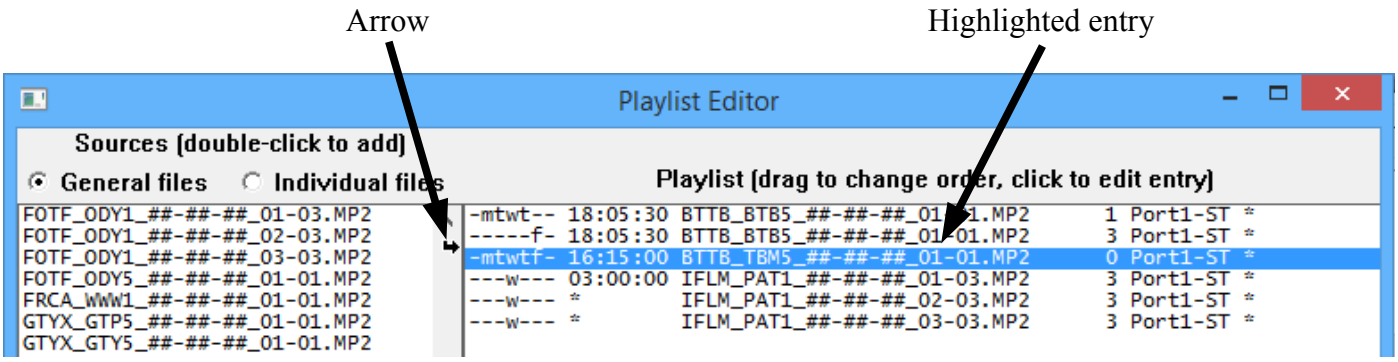
Rearranging Airings

For clarity or to move multiple part programs together, click on desired entry to move and then drag it to a new position. After highlighting the desired entry and starting to drag that entry, an arrow appears to the left of the playlist window showing where the entry will be placed after releasing the mouse button.



This allows entries to organized by day (weekdays vs. weekends), by time or something else. By being able to rearrange entries, added events can be moved to keep them organized.

The order of the playback times does not matter, except for playing back multiple part programs in the correct order. Programs scheduled for 13:00:00 and 08:00:00 can be put in any order and they will still play at their scheduled times.

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Playing Multiple Part Files

To play a multiple part file as one file, put in the first part and give it a time then add the other parts without putting in times. The first part plays at specified time and the other parts will play in sequence after each part finishes. The playlist editor remembers the settings for previous entry (day offset, audio port and relay, but not the time) to help keep subsequent parts of a program consistent.

WARNING

The parts will play in the order they are listed. The first part, with the time, has to be first, the second part has to be second and the third part has to be third and so forth.

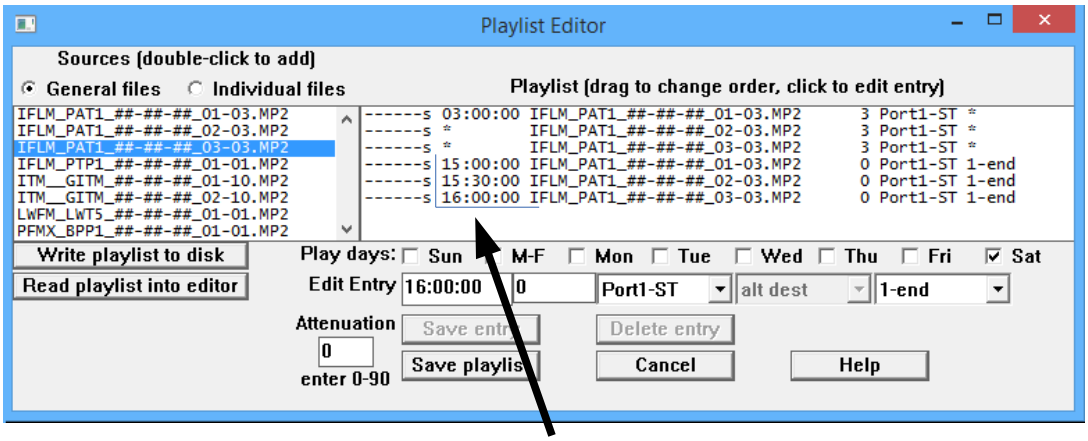
To close a relay at the end of the entire program, add the relay closure for the last segment and not for the previous segments.

WARNING

To make sure a relay closes on the last segment, be sure to not have a relay listed for the previous parts. Select "relays" to clear it.

The process is:

1. Double click on the first segment.
2. Enter in a time for it to playback, day offset (defaults to 0) the port and, if wanted, a relay action
3. Click on "Save Entry"
4. Double click on the second segment.
5. Do not put in a time, verify the day offset (defaults to 0) the port and, if wanted, a relay action
6. Click on "Save Entry"
7. Double click on the third segment.
8. Do not put in a time, verify the day offset (defaults to 0) the port and, if wanted, a relay action
9. Click on "Save Entry"



The second set of programs (IFLM_PAT1) at 15:00, 15:30 and 16:00 (lines are for illustrative purposes only) shows recording multiple part programs as individual segments. Playing a multiple part program as individual segments from the AMR-100 and inserting spots between the segments, can be problematic if the segments have different lengths each day. If the segments vary from day to day, the playlist would have to be changed each day the program airs. To avoid that frustration, record the segments at fixed times and have the automation system put in the spots between the segments.

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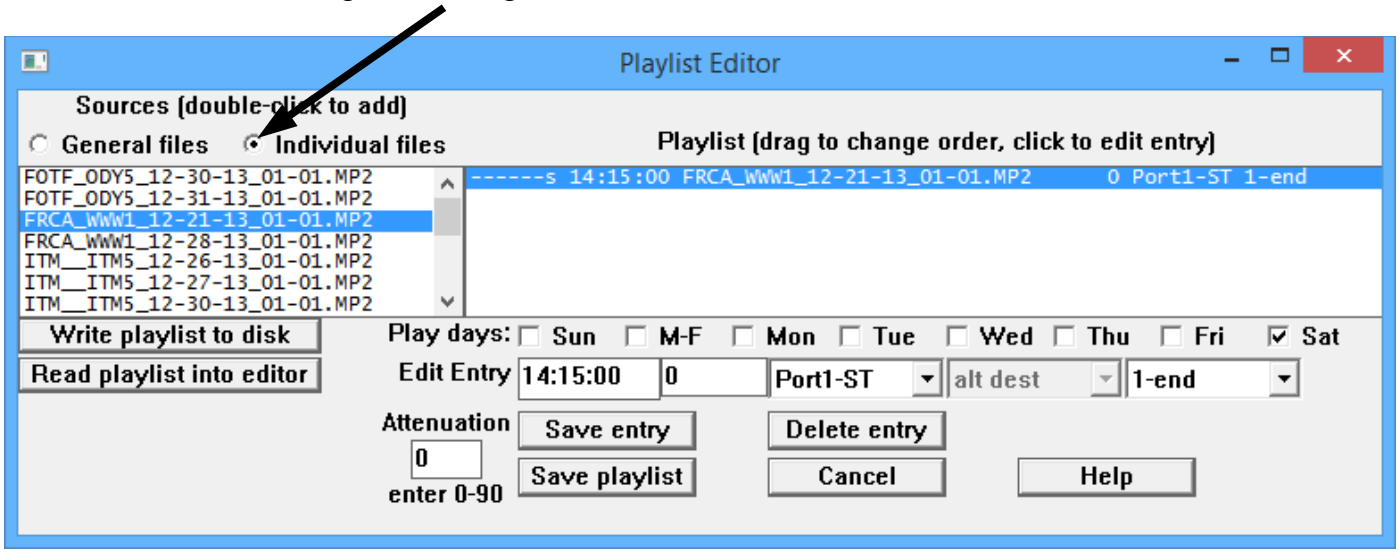
Creating a one time playback

To play a program once on a specific day, change the window to list actual files by clicking on List individual files. That changes the listing to show files with their air dates.



Use the same process as creating a playlist with the "wild card" dates. Double click on the program to air, then highlight it in the "Playlist" window and enter the time and other information. Then click on "Save entry" and that file will only play once on the date of the file. A day offset of "+1" plays it on 12/22 and "-1" plays it on 12/20. This can be useful for one time holiday programs.

The entry will stay in the playlist until manually deleted. Of course, the program will never play again, because the date has passed and will never repeat.

Saving the playlist

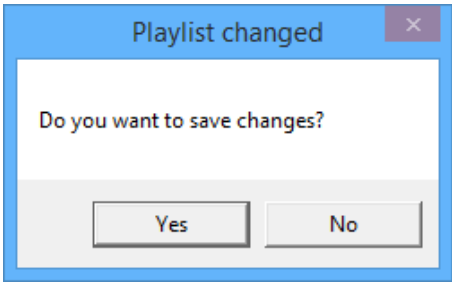
Save Playlist

After finishing the playlist, click on "Save playlist" and the playlist will be saved to the AMR-100 and it exit the playlist function.

This only saves the playlist to the AMR-100 receiver and not to another computer. Use the "Write playlist to disk" to save a backup playlist.

Cancel

Pressing "Cancel" or the close window "X" in the upper right of the playlist editor window after making changes opens a confirmation window asking whether or not to save the playlist. Pressing "No" will discard the changes. Pressing "Yes" saves the changes to the AMR-100, but not to another computer.



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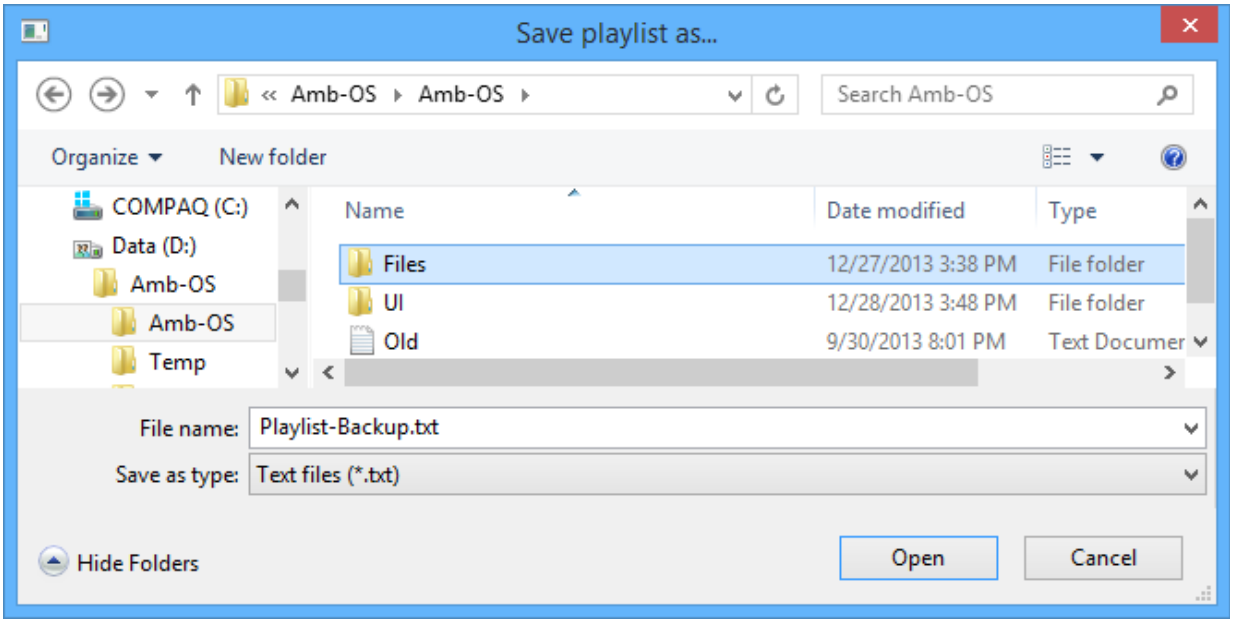
Write playlist to disk

To save the playlist to a local computer, click on Write playlist to disk. Select a folder and specify a name of the playlist in the "Save playlist as..." dialog box.



The file is stored as a standard text file and can be edited using a text editor or the "Stand alone playlist editor." The playlist manual and the "Stand-alone Playlist Editor" are available at http://www.amb-os.com/support.html. The syntax and construction of a playlist can very involved, so always save a copy of the playlist that has not been modified.

Saving the playlist to a disk can be useful to work on a playlist and check it before saving it to the AMR-100. If time does not permit making all the changes, saving the playlist to a disk and *not* saving it the AMR-100, allows editing a playlist without changing the operation of the AMR-100 until the playlist is complete. Click on Cancel after saving the playlist to a computer to exit without saving the playlist to the AMR-100.

After finishing the changes, keep a copy of the playlist on a computer by clicking on "Write playlist to disk" and then pick a directory and file name. After that, click on Save playlist to save the playlist on the AMR-100.

WARNING

Saving the playlist to a disk *does not* save it to the AMR-100. You must click on "Save playlist" to save the playlist to the AMR-100.

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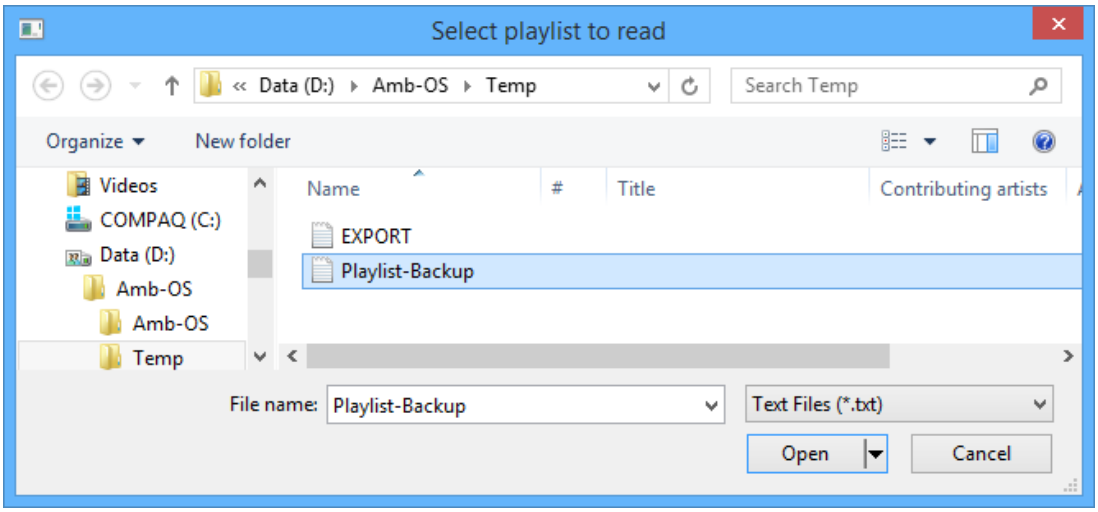
Read playlist into editor

After saving a playlist on another computer using the "Write playlist to disk." Click on "Read playlist into editor" and select the saved playlist and continue editing.



WARNING

The "Read playlist" function does not have any syntax checking options. If a playlist has been modified and it is not constructed properly, it can produce unpredictable results.

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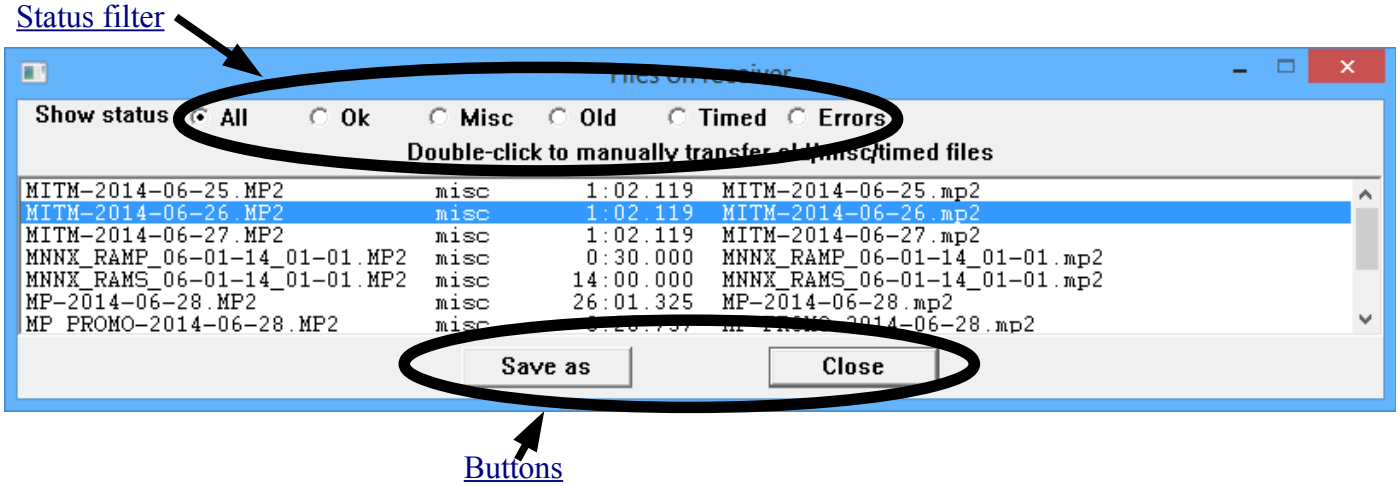
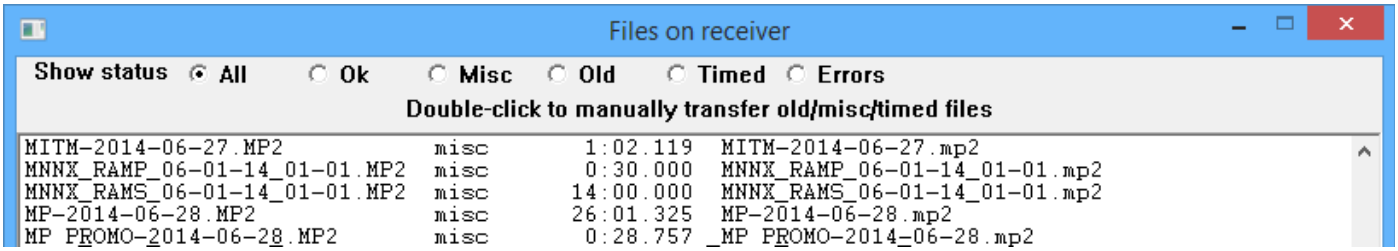
Files/Transfers

This window shows the transferred programs, programs to be transferred, the local name and type of transfer (miscellaneous or timed). Program lengths are shown in milliseconds. Programs can be manually transferred to the destination directory by double clicking on the desired program. The program list shows files on the AMR-100 and the XDS system.



Show Status Options



The options filter the entries by different criteria.

All: Shows all the programs on the receiver, their status, type of transfer, local name and their Amb-OS system name.

Ok: Shows only the programs that have been transferred without errors.

Misc: Shows only the programs that will be transferred when they are received and not on at a specific time if the "Enable miscellaneous transfers" box is checked.

Old: Shows only the programs that have missed their transfer times and may need to be manually transferred, because they could overwrite an existing file. To manually transfer a file, double click on the program to be transferred.

Timed: Shows only the programs that are transferred at specific times.

Errors: Shows only the programs that were either not transferred or had errors when they were transferred.

NOTE

This window shows all files on the AMR-100 and can be used to verify if a program has been received.

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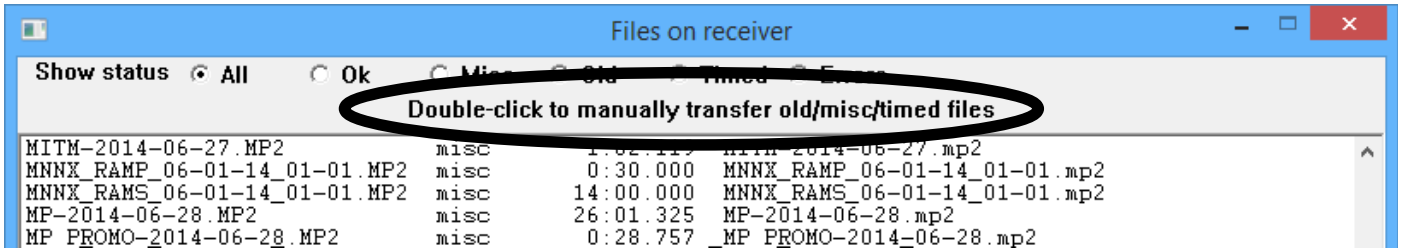
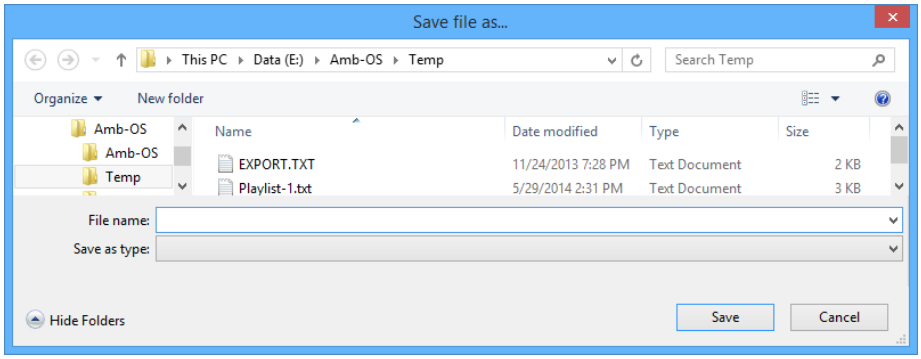


Manually Transfer: To transfer a program again, retry a transfer or to do a manual transfer, double click on the desired program to begin the transfer. This works with the XDS system programs.

Buttons

Save as: Any program can be saved directly from the AMR-100 to a local drive. The program will not be converted regardless of the output format selected in the "System info." The name can be changed in the "Save dialog" window.



Close: Click to close the "Files/Transfer" window.

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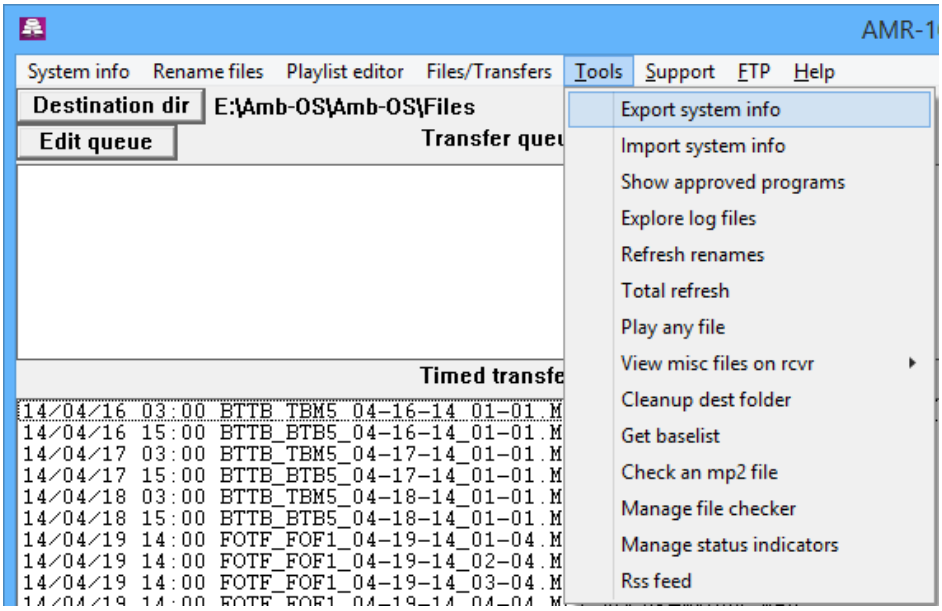
Tools

Tool Menu Items

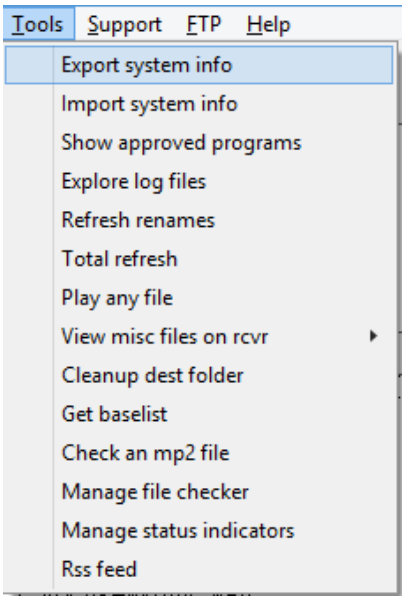
- Export system info
- Import system info
- Show approved files
- Explore log files
- Refresh renames
- Total refresh
- Play any file
- View misc files on rcvr
- Cleanup dest folder
- Get baselist
- Check an mp2 file
- Manage file checker
- Manage status indicators
- RSS Feed

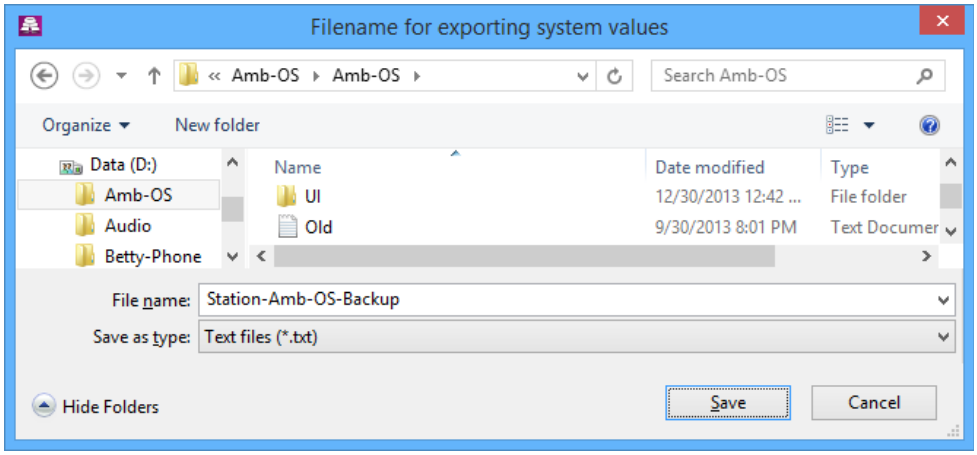


Export system info

Saves the current settings of the Amb-OS User Interface to a file allowing the parameters to be imported when reinstalling the Amb-OS User Interface.

Click on Export system info to open the export file window.





Select the directory and specify the file name of the backup then click on the Save button. This stores the Amb-OS User Interface settings as a text file. The example above uses "Station-Amb-OS-Backup" as the file name; however, any legal Windows® file name will work.

The Amb-OS User Interface automatically uploads the current settings to the Amb-OS FTP site and to the AMR-100 receiver. If the Amb-OS User Interface does not have an Internet connection, be sure to check "Do not backup to FTP" in the "System information" settings.

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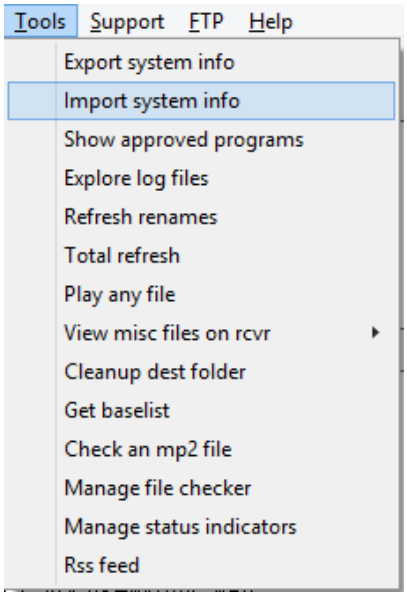
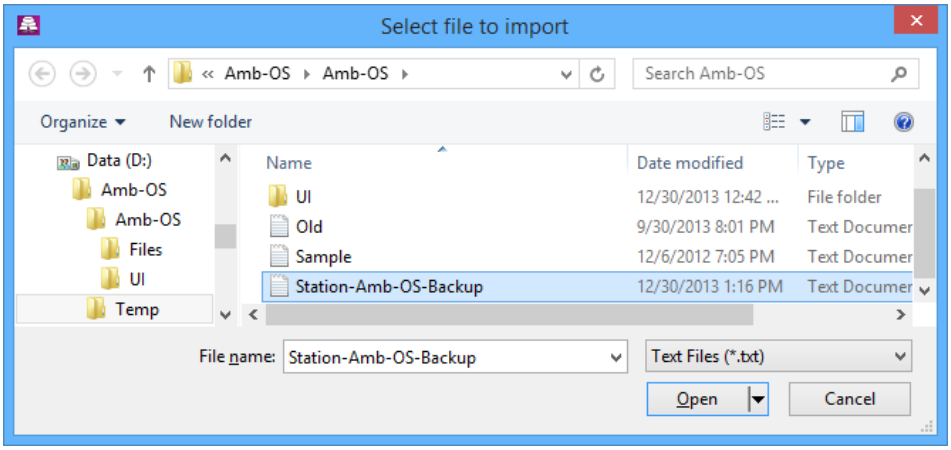
Import system info



Imports a saved parameters into the current installation of the Amb-OS User Interface. To import a file, click on the Import system info option and select the appropriate backup file to import.

Clicking on Import system info opens the import file window.



Select the file import and click on Open.

NOTE

The IP address and serial number of the the AMR-100 receiver are not imported and have to be entered in the System info parameters. If the IP address and serial have already been entered, the import leaves them intact.

This works to keep a backup Amb-OS User Interface in sync with the main system. After making changes on the main system, "export the system information" and import on the backup to keep the two systems identical. Be sure to review the limitation with using two computers to control one AMR-100.

WARNING

Importing system information into the backup computer will also make the destination directories the same. Be sure they do not point the same remote directory to avoid transfer errors.

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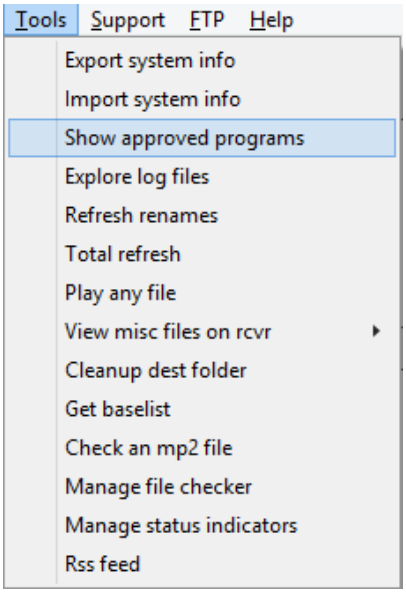
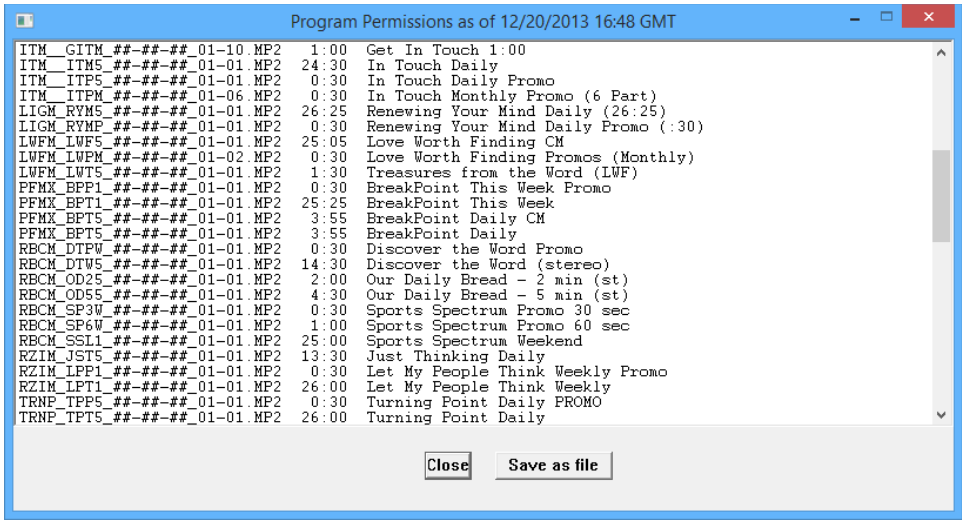
Show approved files



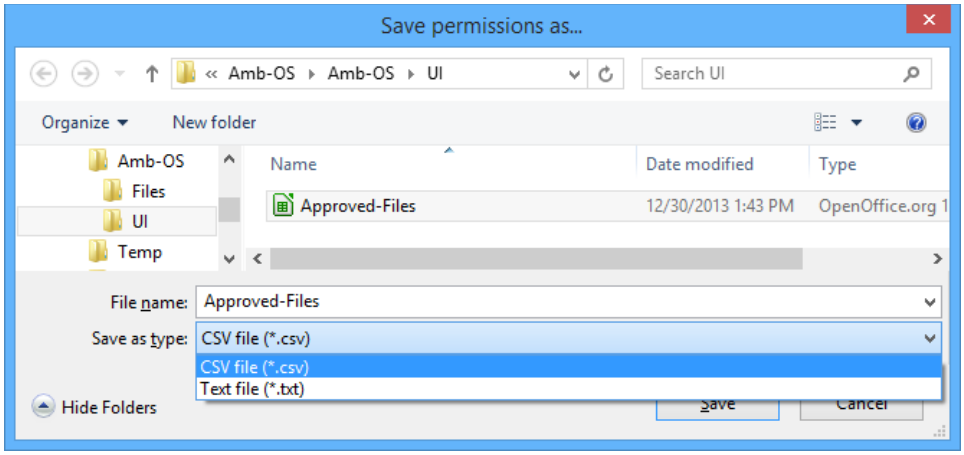
This displays the approved programs on the AMR-100 receiver and their full program name.

Click on Show approved files to open the Program Permission window.



Scroll up and down to see the files

Save as file



The program list can be saved as a file (csv or text) to be viewed separately or when asked to send it to an Amb-OS support technician. After clicking one the "Save as file" button, select the directory and specify a file name for the exported file.

Select the type of file by clicking on the right of "Save as type:" and select either the "CSV file" (*.csv) or the "Text file" (*.txt) for the desired file type.

When completed, click on "Save" to save the file. "Cancel" aborts the operation and does not save the file.

NOTE

The Program permission file cannot be imported. The export system info and import system info brings back the parameters.

Close

Click on "Close" to exit the screen.

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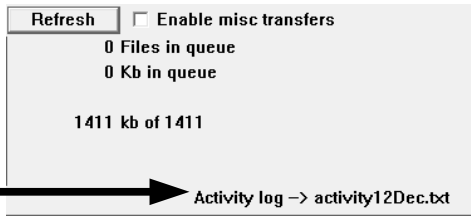
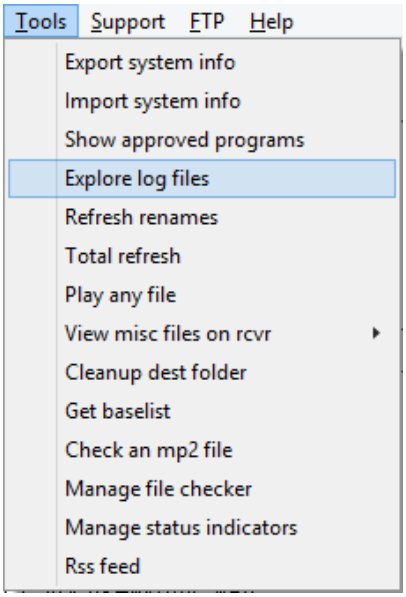
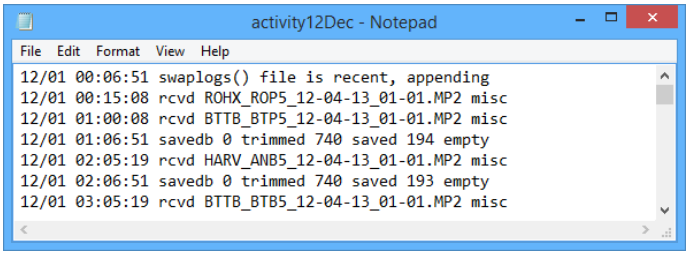
Explore Log Files

The Amb-OS User Interface automatically creates a log file (system and ftp) for each month. The Amb-OS User Interface displays the current activity log file above the activity window.

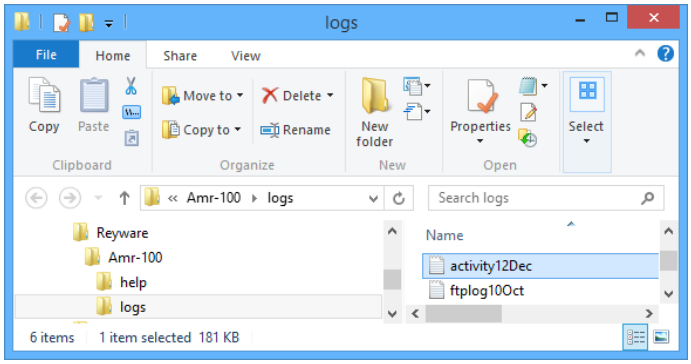




Click on "Explore log files" to open up the file open dialog window.



Double click on the desired log file or highlight it and press [Enter] to open the file.



The log files are text files and the Amb-OS User Interface opens the files with Windows Notepad® allowing the file saved in another location or to be copied and pasted into an email for Amb-OS support technicians.

The log file messages are listed in the "Appendix."

When restarting the Amb-OS User Interface, the current month's log file gets appended rather than having a new log file created. This prevents erasing the previously captured log for the month.

NOTE

The "rcvg" (receiving a program) items are removed, because the activity log records "rcvd" (received program) making "rcvg" redundant.

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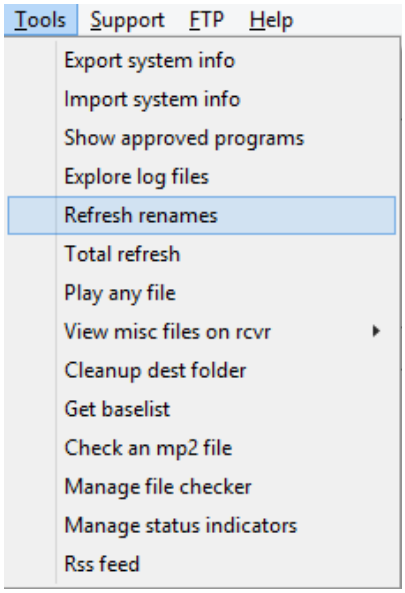
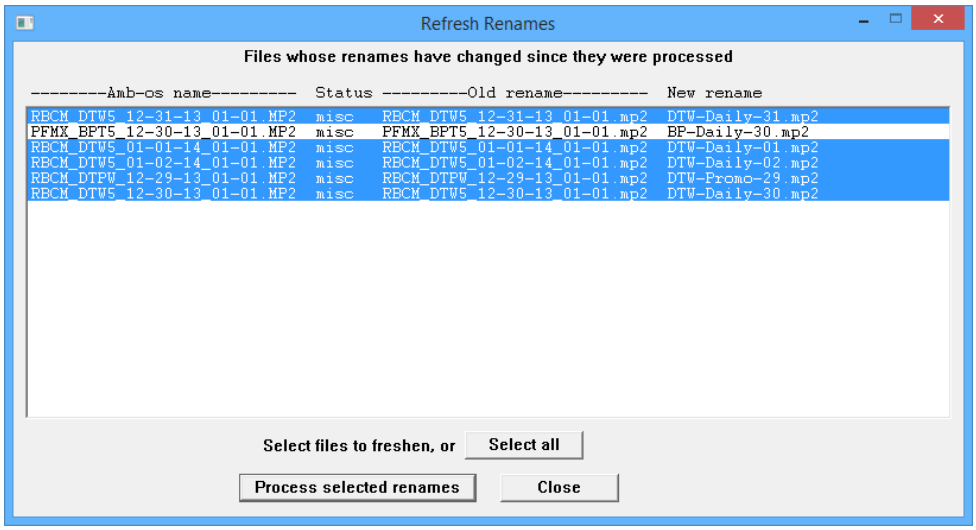
Refresh names

Clicking on the "Refresh names" opens the refresh window showing the Amb-OS system name, the type of transfer, the previous rename and the updated rename. If a program has been transferred and then the rename pattern is changed, this window shows that change. This becomes useful if a new naming convention is implemented and previously transferred programs need the new names.





WARNING

If "Make changes retroactive" in the "Rename files" window is checked, the file names are changed immediately they cannot be selectively renamed with the "Refresh renames."

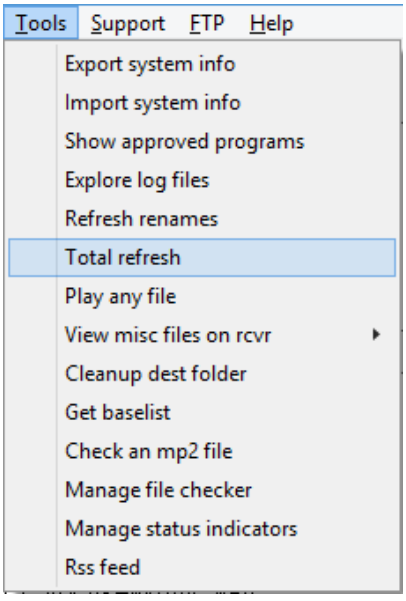
Total Refresh

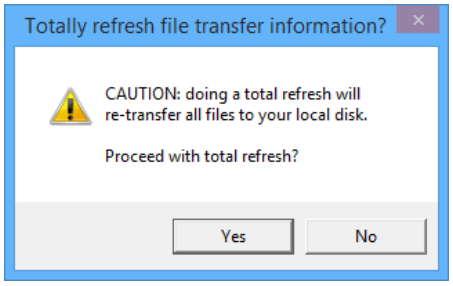
The Amb-OS User interface tracks programs and their status (transferred or not) in memory to prevent re-transferring programs.

"Total refresh" clears and rebuilds the transfer log. The Amb-OS User Interface opens a warning window indicating programs may be re-transferred. With a lot of programs, this can take some time to complete.

To cancel the refresh, click on the "No.".

To transfer just one file, use the "Files/Transfers" window and double click on the desired program to transfer.





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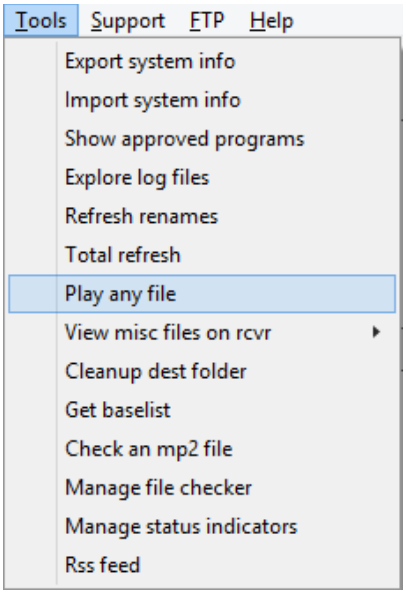
Play any file



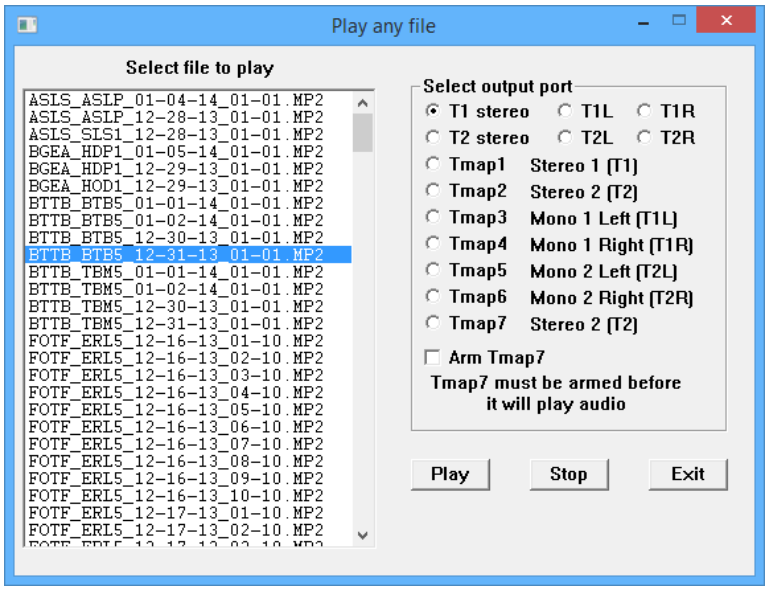
Opens a window to play a program on the AMR-100 and from FTP files or the XDS receiver. The program plays out of the selected audio port of the AMR-100.

NOTE

The Amb-OS User Interface can only play programs that are on the AMR-100 receiver and not files downloaded from FTP or from the XDS receiver.

The window displays the Amb-OS system names of the programs. Select program, the audio port and click on "Play."

Play – plays the selected program.
Stop – stops the program.
Exit – closes the window.



TMAP ports are assigned through the AMR-100 front panel. The AMR-100 Installation manual explains the TMAP ports and how to assign them. Download the manual from http://www.amb-os.com/support.html.

WARNING

This function can interrupt a program currently playing on the AMR-100. Verify whether the selected port is open before clicking on play.

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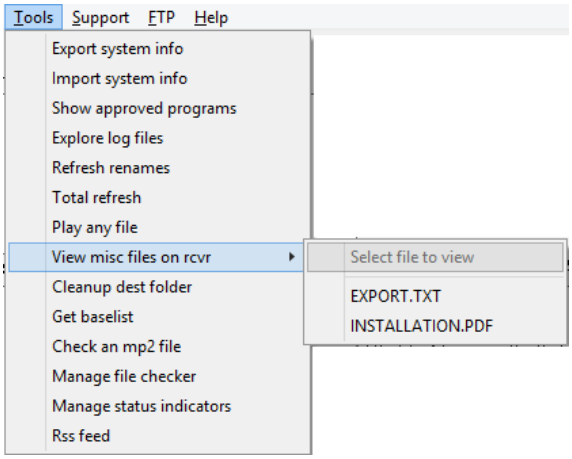
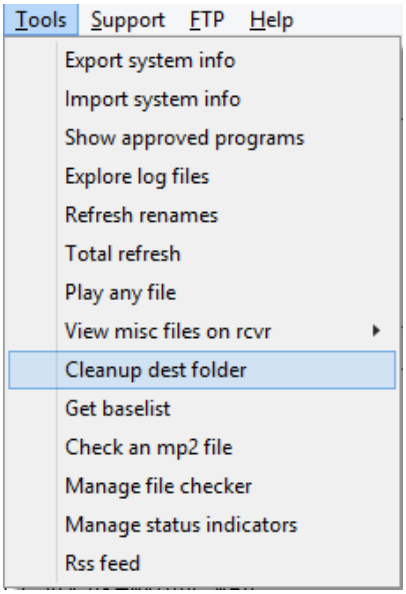
View misc files on rcvr



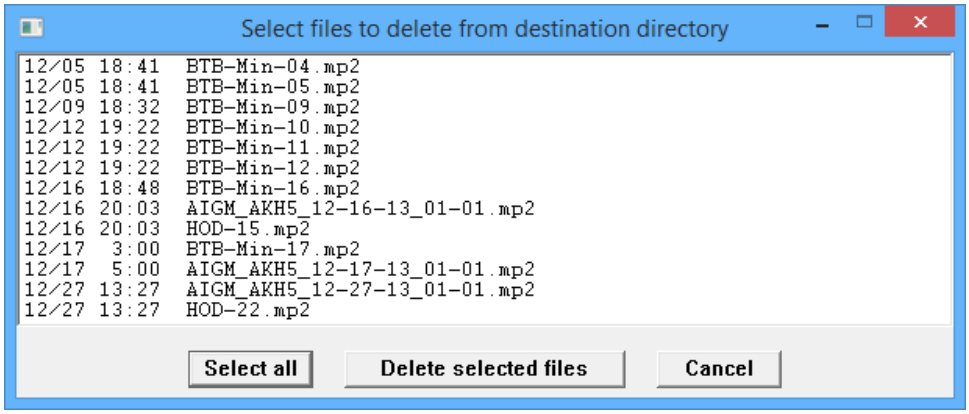
The Amb-OS User Interface mainly transfers audio programs, but the AMR-100 receiver has the installation manual and the Amb-OS User interface export file. This option views other files sent to the AMR-100 receiver.

NOTE
To view PDF files, Adobe Acrobat Reader® must be installed on the computer.

Cleanup dest folder



This checks the programs in the destination folder and compares it the programs on the AMR-100 receiver. Programs not on the AMR-100 receiver, but in the destination folder are displayed and the programs can be deleted. The window lists the program's rename pattern to help identify programs to be deleted or saved.



Use the normal Windows® selection keys.

- Mouse Click – selects individual file and deselects any previously selected file.
- <Shift>Mouse Click – selects the files between the first file and the second selected file.
- <Ctrl>Mouse Click – selects the current file and leaves the previously selected file.

Select all selects all the files.

Delete selected files deletes the highlighted programs.

WARNING
Deleted programs cannot be recovered.

Cancel closes the window.

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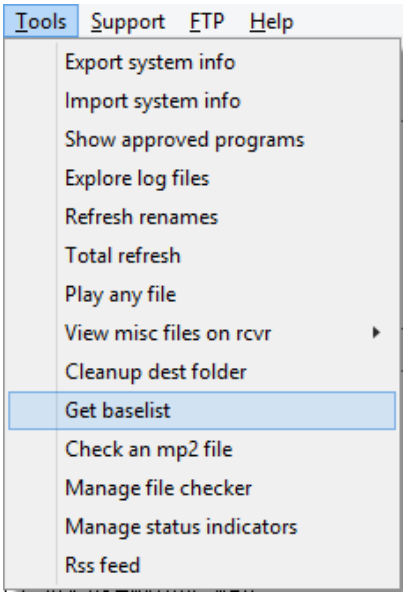
Get baselist



The Amb-OS system sends a file to each AMR-100 containing the complete list of approved programs for the AMR-100. This prevents unnecessary programs from filling up the AMR-100's hard drive. The Amb-OS User Interface automatically requests a baselist when needed, this manually requests the Amb-OS system to send a baselist for the AMR-100.

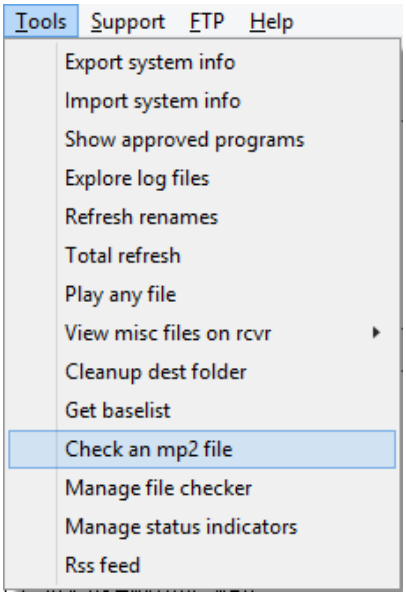
Use this to verify requested programs are being sent to the AMR-100.

Depending on programs being transmitted by the Amb-OS system, it could take as long as five minutes for the satellite AMR-100 receiver and up to 25 minutes for the Internet AMR-100I receiver.

NOTE

XDS Limitation: The Amb-OS system does not send program permissions to the XDS receiver; therefore, no baselist exists to be retrieved by Amb-OS system.

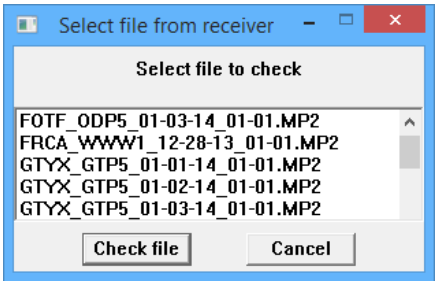
Check an mp2 file



If a problem prevents a program from transferring, the Amb-OS User Interface can check the MP2 file on the AMR-100. This checks the integrity of a program on the AMR-100 receiver and it also displays the Cart Chunk information for the program.

The window displays programs by the Amb-OS system name. The Amb-OS User Interface checks each frame of the MP2 file on the AMR-100 for any errors. The information is displayed in the "Status Message" Window at the bottom of the main Amb-OS User Interface screen.

Highlight the program to be checked and click on Check file. Only one program can be checked at a time.



NOTE

Use the scroll bar in the Status Message" window to view the MP2 file information.

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Sample Cart Chunk information:

```
verifying AGLX_DLD5_12-13-13_01-01.MP2
sizes 1416852 and 1416860 diff 8
cartchunk id  : '0100'
title         : 'Daily Light for Daily Living'
artist        : 'Anne Graham Lotz'
cutid         : 'AGLX_DLD5'
category      : ''
classification: ''
outcue        : ''
startdate/time: '2013-12-13' ''
enddate/time  : '2013-12-15' ''
producerappid : ''
producerappver: 'CartChunk 015'
userdef       : 'RT=59'
data size 1415808. checking mp2 frames...
samplerate 48000 bitrate 192 frsize 576
mode=8 (mono) chan=1
2458 frames checked
```

Key Definitions:

Title – Program name
Artist – Host or ministry name
Cutid – Amb-OS program identifier
Startdate/Time – When a program is available for transfer or playback (no time = midnight)
Enddate/Time – When a program will be deleted by the Amb-OS system (no time = midnight)
Samplerate – All Amb-OS programs are 48K
Mode (8 or 16 bit) – 8 bit = mono and 16 bit = stereo

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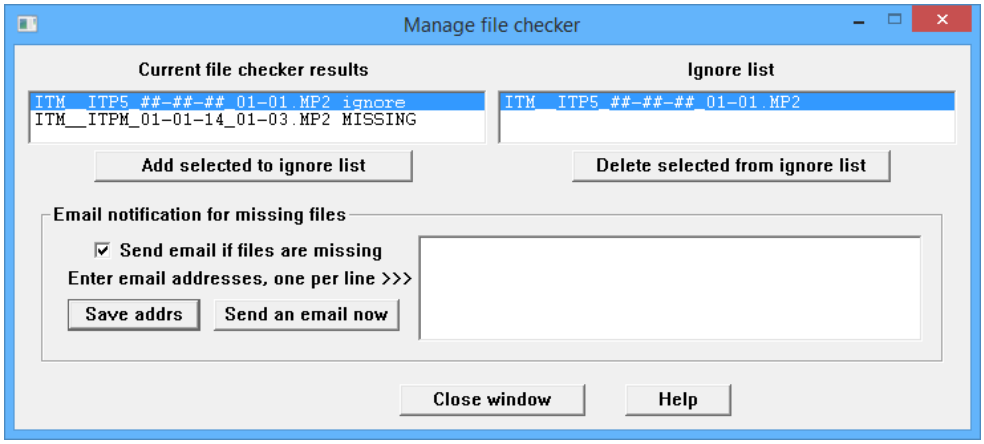
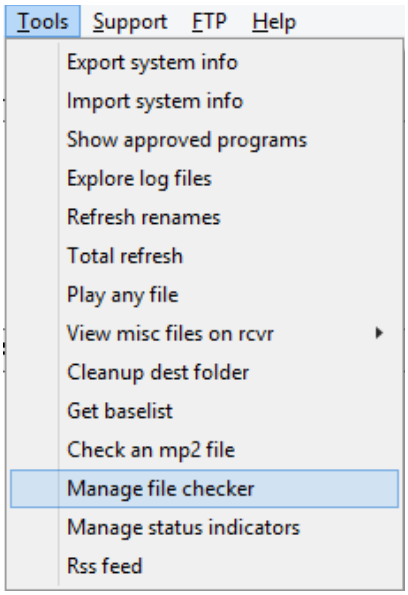
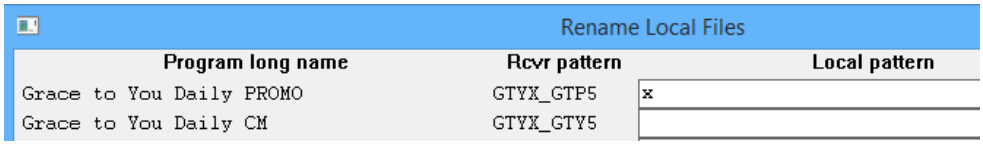
Manage file checker

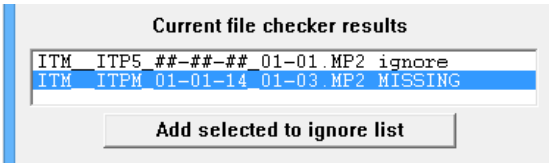




The Amb-OS User Interface file checker compares programs on the AMR-100 with the baselist at 1 am local time for missing programs. The "Manage file checker" ignores programs with an 'x' in the program renames.



Other programs can be ignored by adding them to the ignore list. Highlight the program to be ignored and click on the Add selected to ignore list button.



To remove the program from the ignore list, highlight the program in the ignore list and click on the Delete selected from the ignore list button.

Email Notification for missing files – To receive email notifications when programs are missing, check the "Send email if files are missing" box. After selecting the box, the buttons "Save addrs" and "Send email now" become active. Enter the emails addresses of those who should receive the mails. Put in one address per line and then click on "Save addrs" button.

Save addrs: Saves the addresses entered in the email.
Send an email now: Sends an email to the addresses in list as a test.

Close window: Closes the window
Help: Opens the local help window

XDS Limitation: Because program permissions are not managed through the Amb-OS system, the Amb-OS User Interface cannot identify which files should be on the XDS Receiver.

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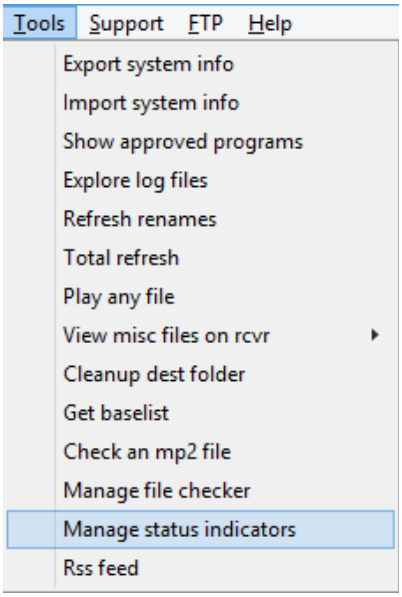
Manage status indicators



The status indicators in the main Amb-OS User Interface window can be customized for warnings and notifications.

EbNo

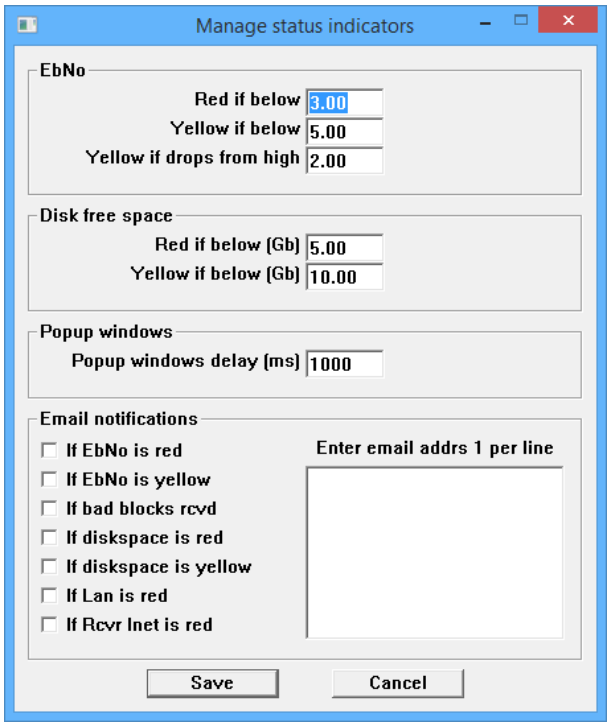
Alerts are sent to the members in the email notification list when the EbNo drops to or below the notification settings.

EbNo, a relative indication of signal strength, should not vary significantly under normal circumstances. If the EbNo drops significantly, a problem could exist in the RF chain and the local support personnel can be notified through email when the signal strength drops below the desired level.

AMR-100I Limitation: Because the AMR-100I does not use RF, this setting will not have any effect on the Amb-OS User Interface notifications.

XDS Limitation: The Amb-OS User Interface cannot access the XDS receiver statistics, therefore the notifications do not reflect the RF on the **XDS** receiver.

The AMR-100 has a strong RF section and can receive programs even with very low EbNo readings; however, other receivers using the same signal may not be able to function. If the EbNo drops significantly, the AMR-100 may still receive programs; however, it can indicate an issue with the RF chain.



Red if below: The EbNo status indicator changes to red if the EbNo reported by the AMR-100 receiver drops below the assigned number. Use this number as the lowest useable EbNo RF number.

Set the number low enough to prevent false notifications, but high enough to generate an alert for a failure or a situation that needs attention. The Amb-OS User Interface sets the default to 3 dB.

Yellow if below: The EbNo status indicator changes to yellow if the EbNo reported by the AMR-100 receiver drops below the assigned number. Use this number as a warning that the RF signal is degrading, but still useable.

Set the number low enough to prevent false notifications, but high enough to generate notifications of degrading signals. The Amb-OS User Interface sets the default to 5.

Yellow if drops from high: The EbNo status indicator changes to yellow if the EbNo drops from the normal high reading.

Set the number to account for normal fluctuations of RF levels. If the EbNo normally runs around 10 dB ± 2 dB (8-12), then set the number at 3 so it sets the indicator when the EbNo drops below 8 or above 12. The Amb-OS User Interface sets the default at 2.

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Disk Free Space

Alerts are sent to the members in the "email email notification" list when disk space becomes critical based on the settings. With size too small, programs may not be transferred. Normally, the defaults of 5 Gb for critical (red) and 10 Gb for warning (yellow) suffice.

The amount of space necessary for each situation varies with the number of programs transferred and whether the programs are converted to a WAV file. As a rule of thumb, Amb-OS MP2 programs take roughly 1 Mb a minute. WAV files take about 10 Mb a minute. A 30 minute MP2 program uses approximately 30 Mb of space and a WAV file uses approximately 300 Mb. With more than 33 programs stored on the destination directory, the critical space may need to be increased over the default of 10 Gb.

Archiving programs for a long period requires a larger destination drive. If space gets low, programs may not transfer. If an error occurs stating a program could be written, check the available disk space on the destination directory. Consider cleaning up the destination directory function in the tools menu. This deletes programs no longer on the AMR-100. Programs get automatically deleted from the AMR-100.

NOTE

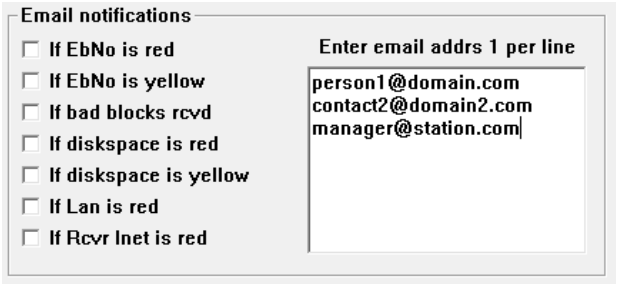
If the drive space indicator in the Status Indicator area consistently becomes red or yellow, more drive space may needed or unnecessary files may need to be deleted to free up space.

Popup Windows

When hovering the mouse over the status indicators section, a window opens while the mouse is over an indicator. This option specifies the amount of time that will elapse before the window opens. The longer the time, the longer the delay to open the window. A "0" setting opens the window open immediately. 1000 milliseconds means leaving the mouse of the indicator for a second before the window opens.

Regardless of what indicator is under the mouse, once the time delay has been met, moving the mouse over another indicator without leaving the indicator section, the next pop up window comes up immediately. After moving the mouse to any other area, the delay resets.

Email Notifications



Station personnel can be notified when any of the status indicators become yellow or red (fall below the limits set in the manage indicators). An email can also be sent when the AMR-100 receives bad blocks that could indicate a faulty RF signal.

Select the items that will generate emails by checking them. Add email addresses in the email address box. Enter in an address and press [ENTER] then enter in another address and press [ENTER] until all the addresses have been successfully entered.

If the computer running the Amb-OS User Interface loses the Internet connection, emails can be suspended until the connection has been repaired. Change the email settings in the system information settings.

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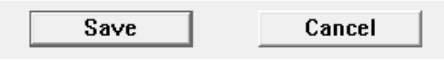
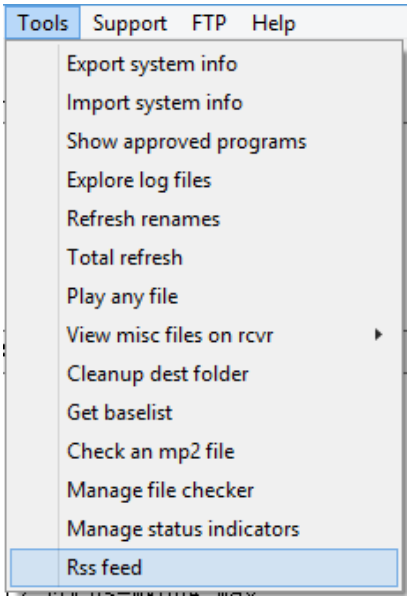
Save/Cancel

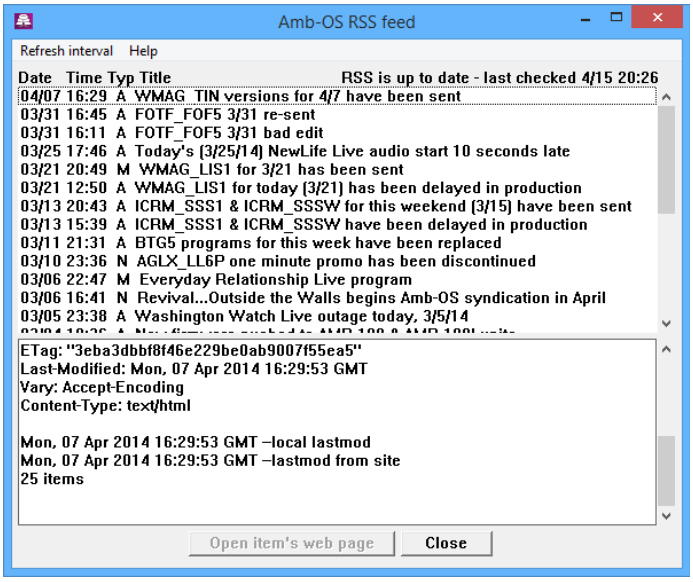
Press the “Save” button to save the settings and “Cancel” to ignore the changes and leave the settings at the previous value.



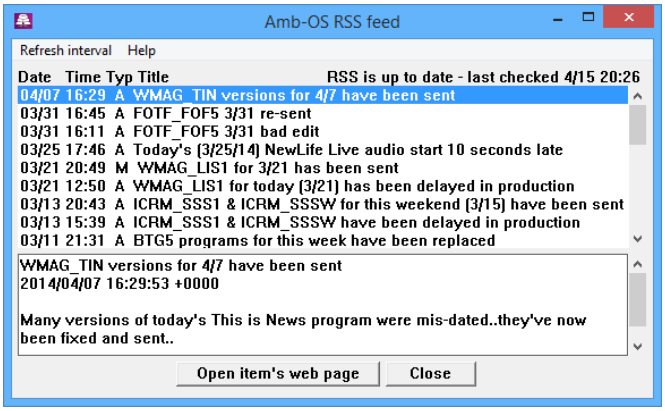
RSS

The Amb-OS system uses RSS feeds to notify stations of changes or issues with programs. While the information can be received by subscribing the feeds (http://www.amb-os.com/rss.html), the Amb-OS User Interface has an option to read the RSS feeds.





Clicking on the “RSS feed” option in the “Tools Menu” opens the feed window.



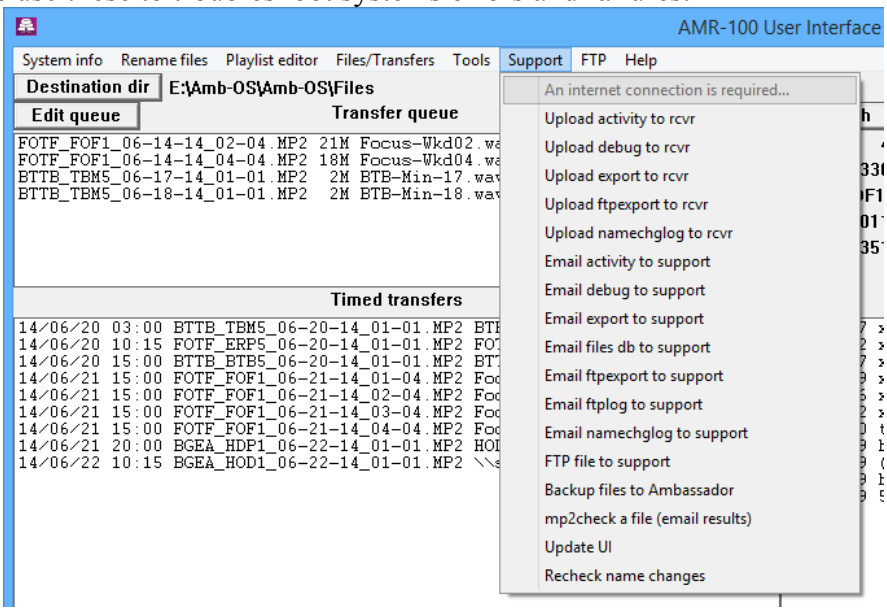
The message pane at the bottom of the window, shows the status of the RSS system. Clicking on a message in the upper pane displays the RSS message in the lower pane.

Open item’s web page: Opens the RSS feed site with that feed’s message. Older messages may not be available, because they get deleted from the web page.

Close: Closes the RSS feed window.

Support

An Internet connection is required for all email functions and the update of the Amb-OS User Interface. Except for "Updating the UI," Amb-OS technicians use these to troubleshoot systems errors and failures.



An Internet connection is required
Upload activity to rcvr
Upload debug to rcvr
Upload export to rcvr
Upload ftpexport to rcvr
Email activity to support
Email debug to support
Email export to support
Email files db to support
Email ftpexport to support
Email ftplog to support
FTP file to support
Backup files to Ambassador
mp2check a file (email results)
Update UI
Recheck name changes

Sending Logs to the AMR-100 Receiver or to Amb-OS support email

The upload options, email options and FTP option send log files to either the AMR-100 receiver or the Amb-OS support email. The "activity log," "debug file," "export file," "FTP export log" and a potentially corrupted audio programs can be uploaded or emailed. Only use these options when instructed by Amb-OS support personnel. Uploading files to the AMR-100 receiver goes hand-in-hand with emailing files to the Amb-OS support personnel.

WARNING

If the computer running the Amb-OS User Interface does not have an Internet connection, be sure the check the Do not send email option in the System Information settings.

The mp2check a file (email results) checks a specific program emails the results to Amb-OS support. An Amb-OS support personnel may ask to have the program emailed to check it for errors. If there is a suspected file, contact the Amb-OS support personnel by sending a support request to support@amb-os.com or call the 24-hour support desk at 877AMBOS2U or (877) 262-6728.

To examine an MP2 program on the AMR-100, use the check an mp2 file in the tools menu.

WARNING

Sending the check MP2 file information without being directed by an Amb-OS support technician creates unneeded emails to Amb-OS support.

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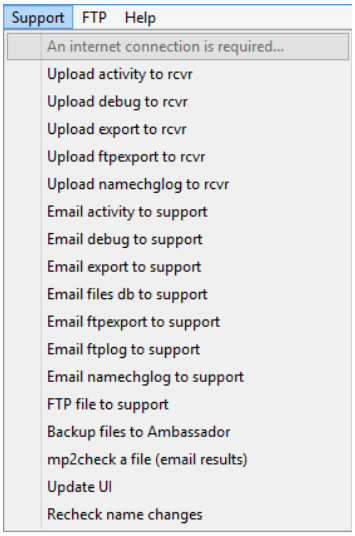
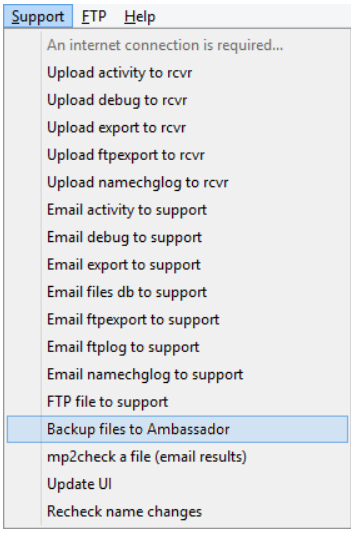
An Internet connection is required



When email notifications are enabled in the System Settings or the system notifications, the computer needs Internet connection. If no connection exists, the "An Internet connection is required" option becomes enabled.

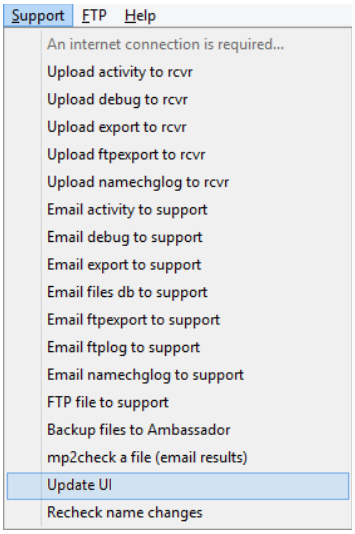
Backup Files to Ambassador



FTP file to support allows Amb-OS support personnel to examine a corrupted file to isolate problems. Like the Upload and Email options, this should only be done when directed by Amb-OS support personnel. The options are:

Upload activity to rcvr
Upload debug to rcvr
Upload export to rcvr
Email activity to support
Email debug to support
Email export to support
FTP file to support

Update UI



Download and update the Amb-OS User Interface to the latest version or to different version of the software. It preserves all settings from the current version. Selecting a version older than the current version will roll back the Amb-OS User Interface to that version.

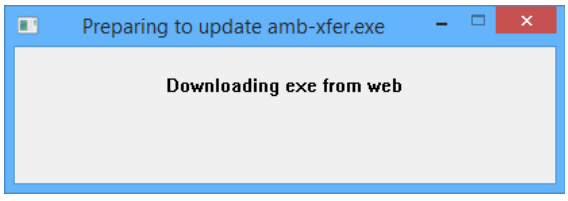
Clicking on the "Update UI" option opens a window listing the current version and all available versions of the Amb-OS User Interface.

- Click on the desired version to use.
- Click on "This will update your UI immediately"

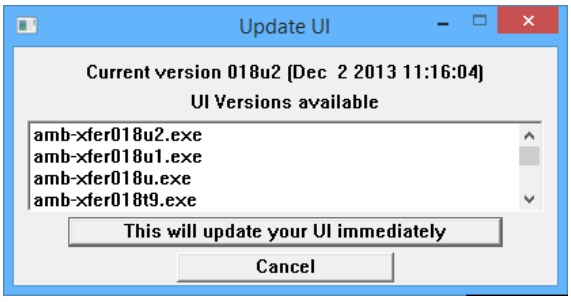
A window opens with the message the version is being downloaded. After the version has been downloaded, the queue will be stopped and the version installed. The message will show a countdown and then display the "Update successful" message.

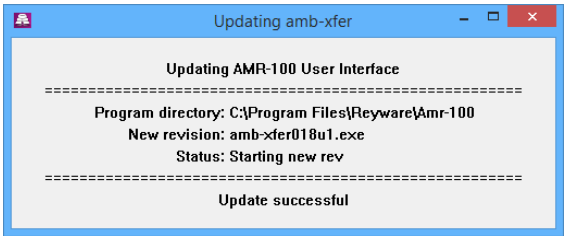
The Amb-OS User Interface has been changed to that version (upgraded if newer and downgraded if older) and the settings have been preserved.

The update windows automatically closes after the successful version change.



Cancel aborts the operation.





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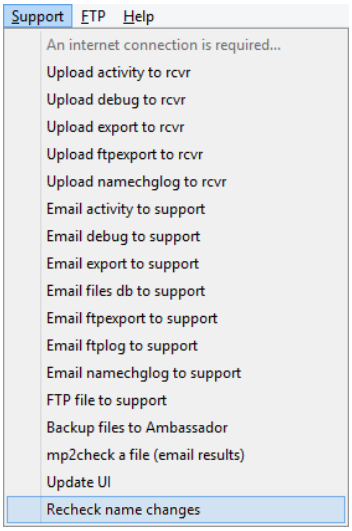
Recheck name changes

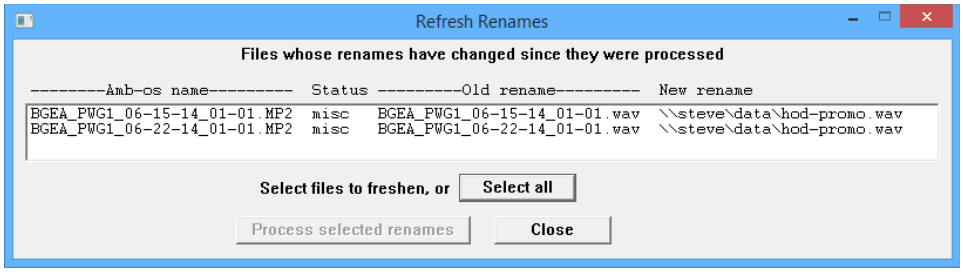


When ministries change the name of their program, the Amb-OS User Interface can automatically change the Amb-OS program name to the new name for programs that have not been sent to or transferred from the AMR-100. When starting the Amb-OS User Interface, a window opens listing the programs that have pending name changes and the names can be changed immediately or delayed. However, the rename pattern remains unchanged and has to be done manually.

Program name changes can be applied to programs that have been transferred with the old Amb-OS program name. If the local rename pattern was not changed with the new program name, this can be ignored. If the rename pattern was changed to reflect the new Amb-OS program name, this options allows programs to be refreshed with the new rename pattern.

The windows displays:

The new Amb-OS name – This is the new Amb-OS system name of the program.
The transfer method – This is normally "misc" (miscellaneous transfer) so the the program does not get transferred with the new name before the automation system can be changed to reflect the name.
The old rename of the program – This identifies the old rename pattern to help in finding the old program in the rename pattern window.
The new rename of the program – This shows the new program name selected.



Click on the programs to change or click on "Select all" to select all of the programs. After selecting the desired programs, click on "Process selected renames." To not change any of the programs, click on "Close."

NOTE

Programs can have any rename pattern so the old rename pattern can be left unchanged. This may create confusion when trying to isolate a problem with a program, but the name does not have to be changed.

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FTP

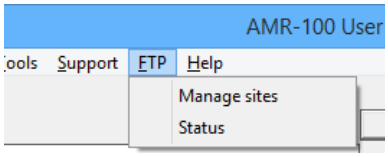
The Am-b-OS User Interface downloads programs with the FTP option and processes them like transferring programs from the AMR-100 receiver. Most of the same rename options used in transferring programs from the AMR-100 can be used. The MP2 programs can also have their file extension changed and the Cart Chunk information can be added, preserved or modified as specified in the System Info.

- WAV programs can have the extension changed and renamed, but they cannot be converted to another format.
- MP3 programs cannot be converted or have the file extension changed, but they can be renamed.

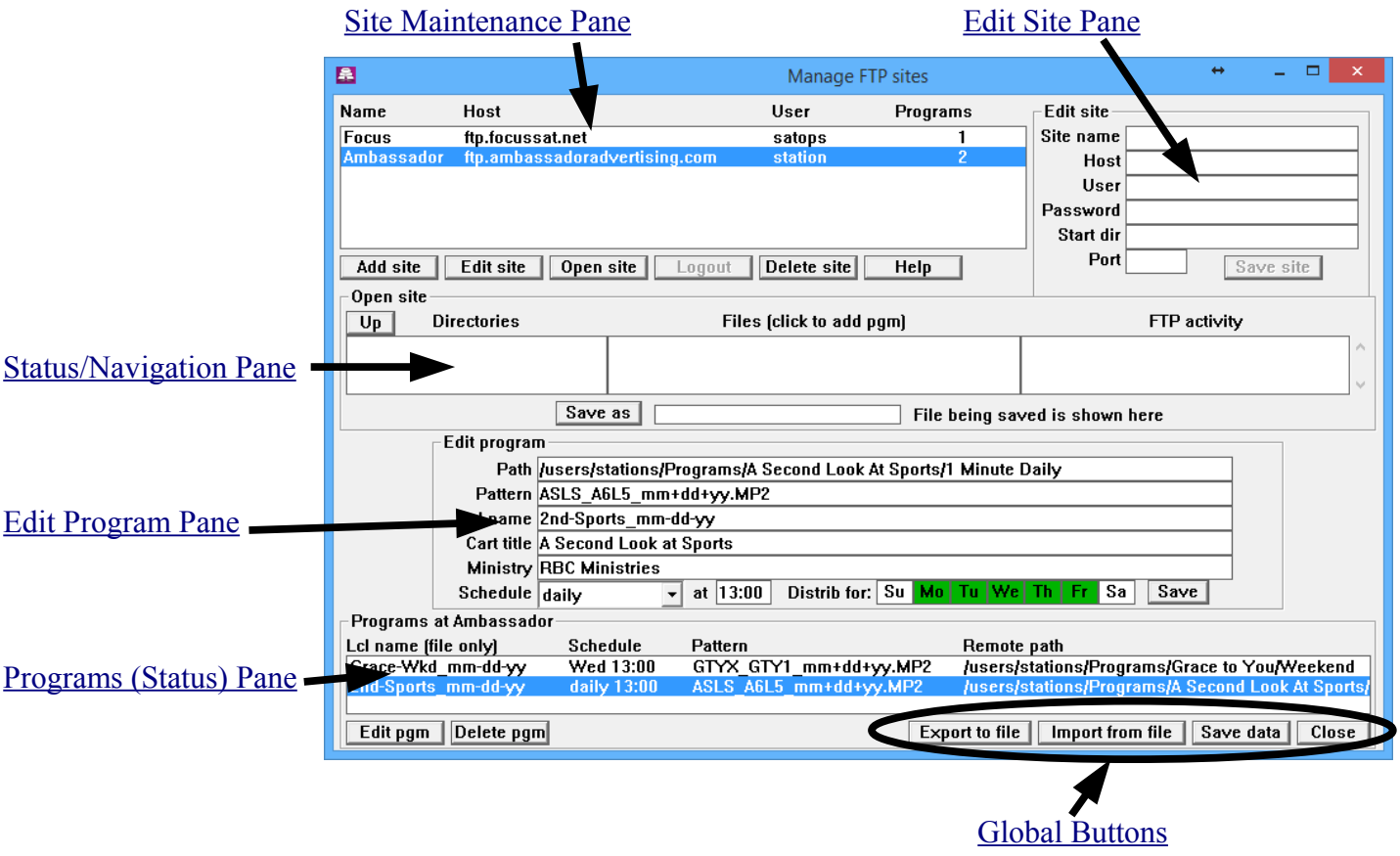
WARNING

The Amb-OS User Interface FTP transfer cannot convert MP3 files and are transferred without any conversion and retain the MP3 extension.

Manage sites
Status



Manage Sites



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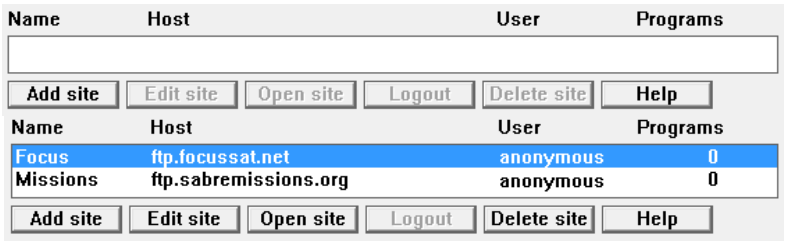
Site Maintenance Pane

The options are: Add site, Edit site, Open site, Logout (close a site), Delete site and Help.

NOTE
When connected to a site, none of the site settings can be changed. Logout of the site to enable editing or deleting sites.

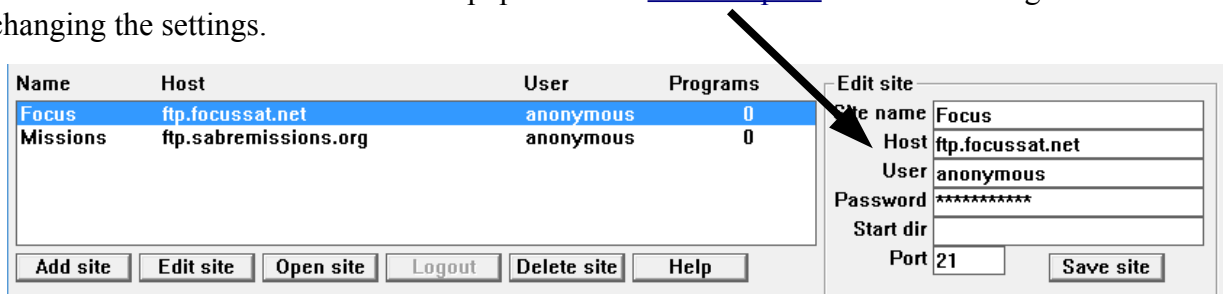
Add site

Enables the "Edit site pane" to allow entering login information. Without any saved sites only the "Add site" and "Help" buttons are active. After adding a site, only the "Logout" button is inactive until opening a site.



Edit site

Click on a site and then on "Edit site" to populate the "Edit site pane" with the settings for that site toallow for changing the settings.

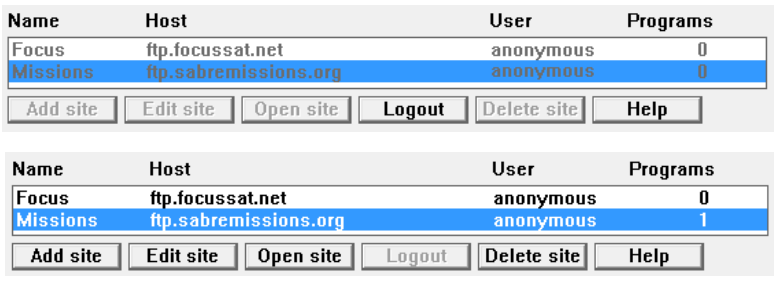


Open site

Logs into a site. After successfully connecting to the site, only the "Logout" and "Help" buttons become active. If the login failed, the buttons do not change and an error is displayed in the "FTP activity window" in the "Status/Navigation pane."

Logout

Disconnects from the site and enables the other buttons and allows editing of site information. Closing the "FTP Manage site window" automatically logs out of a site.



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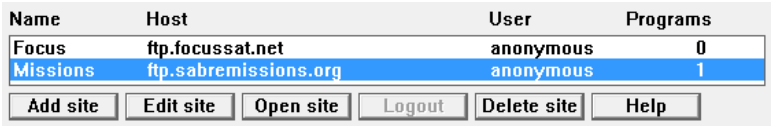
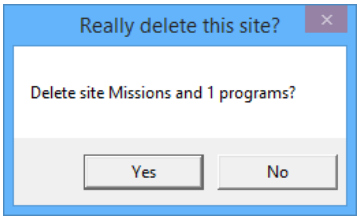
Delete site



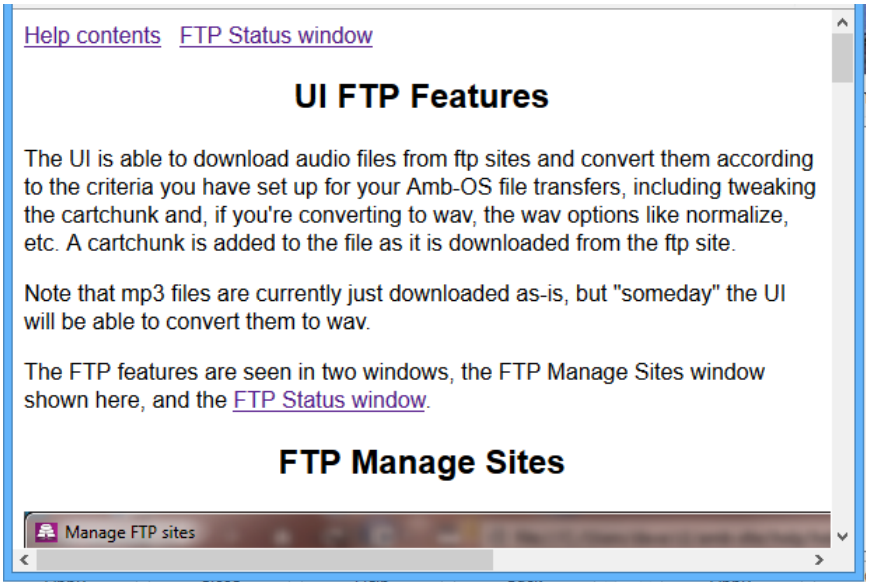
Highlight the site to be deleted and click on "Delete site" to remove the site. This also removes the programs from that site that are listed in the "program list" preventing the Amb-OS User Interface from trying to download a program without a login to the site.



A window opens to confirm the site deletion. "Yes" deletes the site and file settings for that site and "No" leaves the site and the files.

Help

Opens the help file for the "FTP site manager."



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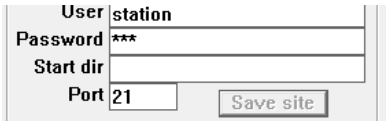
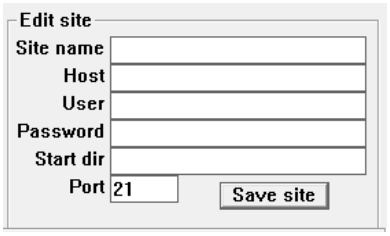
Edit Site Pane

This pane and the "Save site" button is inactive until after the "Add site" or "Edit site" buttons are clicked. While data may be entered without clicking on the "Add site" or "Edit site," the data cannot be saved.

WARNING
The data in the "Edit site" window cannot be saved unless "Add site" or "Edit site" activated the pane.



After clicking on "Add site," the "Save site" window becomes active and the "port" automatically gets populated with the default port of 21.



Site name: Any name can be entered to easily identify the site. A site name is required to save the site's login information.

Host: Enter the URL of the site. While most FTP sites begin with "ftp," some may begin with "www" so verify the correct URL name.

WARNING
Do not use the protocol parameter (ftp://) or the site will not work.

User: Enter the user name for the site. Some sites allow an anonymous login. If so, enter "anonymous" as the name. Many sites require a specific user name and some sites have case sensitive user names. Contact the ministry to obtain a user name.

Password: Enter the password of the site, which is usually case sensitive. If the user name is "anonymous," sometimes this can be blank. If that fails, enter an email address or just some text with "@" in it (for example, get@in). If a site requires a specific password, contact the ministry to obtain a password.

Start dir: Most sites automatically start in a directory that has the downloads visible and this can be left blank. However, some sites hide directories or have several layers of directories and the start directory can be used to go directly to the desired location. If so, put in the path of the directory with the programs; for example, "/radiostation/complete."
After selecting a directory with the desired programs, the Amb-OS User Interface will not need to be directed to that program directory and there is no need to wade through a directory tree to find programs.

Port: The default FTP transfer port is 21. Unless a ministry specifies a different port, leave this setting unchanged.

Save site: After entering the parameters, click on "Save site" to store the settings. The new site will be listed

WARNING
Cliking on "Add site" before "Save site"clears the settings without saving them and they will have to be entered again.

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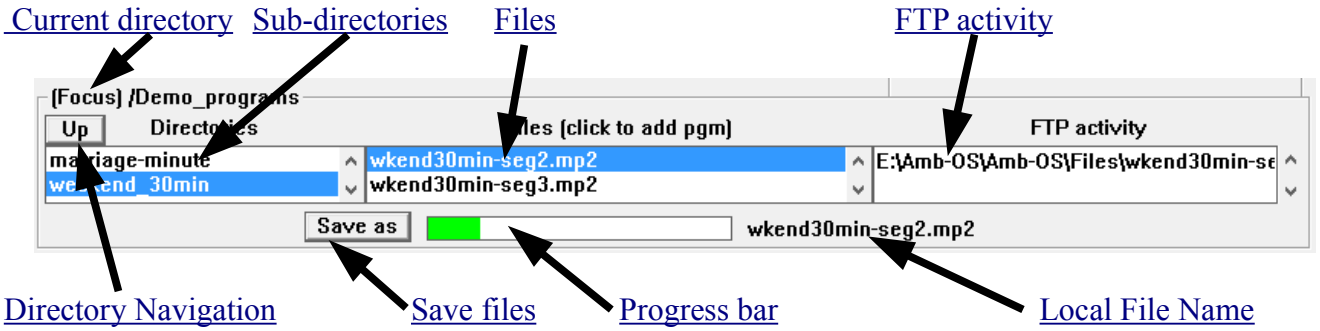
Status/Navigation Pane

Navigates through FTP sites, allows selecting of programs and displays the "FTP Activity."



Current Directory: Shows name of the FTP site and the currently selected directory. "/" is the root directory of the users FTP access to a site.

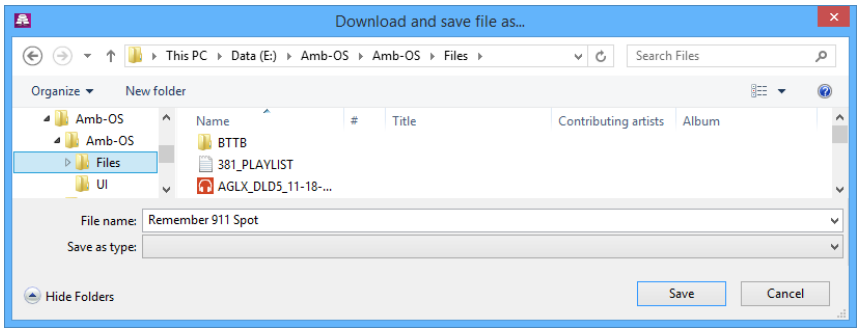
Before opening a site, the current directory has "Open site" displayed.

Up: Moves up the directory tree after going into sub-directories.

Save as: Allows a highlighted program to be saved immediately.

Any file in the directory can be saved. The format of the original file does not matter. A normal save dialog box opens to select the directory and the name of the saved file.

NOTE
Programs saved with the "Save as" button will not be converted.



Programs saved with "Save as" will not have any of the parameters in the FTP pattern applied and it will not do any format conversions. Any name can be used in the "File name" option in the "Save as" dialog box. Select one file at time, but a new program can be saved before the previous program completes downloading.

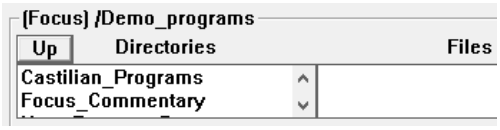
With no program selected, Save as is inactive.

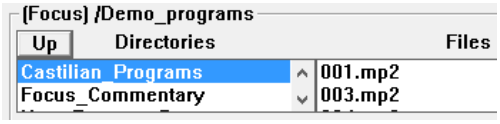
Progress bar: Displays the progress of the saved program.

Local File Name: The name of the local program.

Sub-Directories: Click once on the desired directory to open the directory. If no files appear in the "Files window," then only sub-directories exist. If the directories do not change when a sub-directory is selected, then no sub-directories exist.

Use the up and down arrow keys, on right of the window, to navigate through the directory list.





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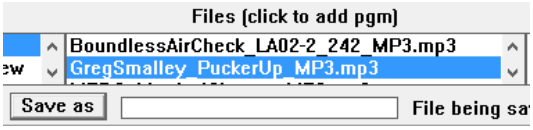
Files: This shows the content of the selected directory. Any of the programs or files can be selected for saving and for automated downloads in the "Edit program pane."



Use the up and down arrow keys, on right of the window, to navigate through the program list. Click once on a program or file to add it to the "Edit program pane."

FTP activity: This shows the current status of the site and if any errors were encountered. After logging out of or closing a site, the "FTP activity log" keeps the log for that site until a different site is opened. Then the activity log is cleared and the log for the current site is displayed. However, the "Message window" in the main Amb-OS User Interface also logs all activity and the messages from the previous site remain in that window. Because the "main activity log" window records all Amb-OS User Interface activity, the messages from the FTP activity get intermixed with other messages and may be harder to find.

Use the up and down arrow keys, on right of the window, to navigate through the file list.

NOTE
The FTP activity window is cleared when a different site is opened.

NOTE
New programs can be added only when logged into a site.

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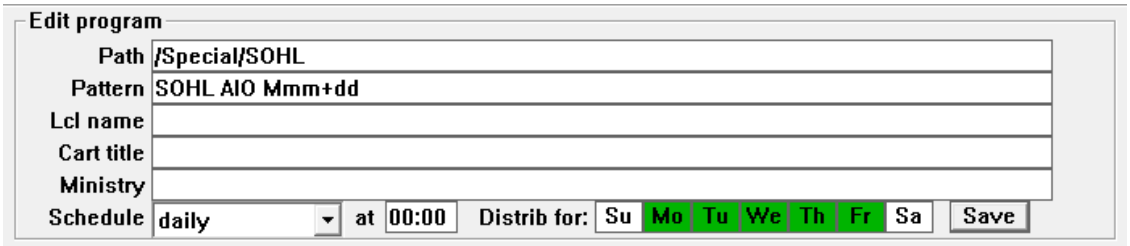
Edit Program Pane

After selecting a program in the "Status/Navigation pane," the program comes in the "Edit program pane" for customizing the name. To have multiple programs from the site, select one program at time, edit the settings and save each program before selecting the next one.



Path

The selected program in the Status/Navigation pane automatically gets the path field filled. The Amb-OS User Interface saves this in order to be able to get to the same directory whenever it is scheduled to transfer. This can be manually edited for changes; however, unless the ministry changes directories regularly that do not reflect a standard month/day/year, this should not have to be changed. Variables can be used to automatically change directories if they are based on dates.

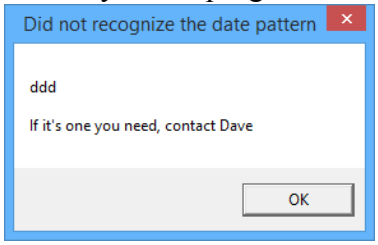
WARNING
Deleting the path information will prevent a program from transferring.

Directory Naming Convention	Substitute Variable
For directories with just a year (…program/**2014**	Substitute yyyy for **2014**
For directories with just a two digit month (…program/**02**)	Substitute mm for **02**
For directories with a three letter month (…program/**Feb**)	Substitute Mmm for **Feb**
For directories with the full month name (…program/**February**)	Substitute Mmmm for **February**
For directories with the quarter (…program/**1st**)	Substitute Qqq for **1st**
For directories with the Spanish three letter month (…program/**Feb**)	Substitute Eee for **Feb**
For directories with the Spanish full month name (…program/**Febrero**)	Substitute Eeee for **Febrero**
Example	
ministry/program/2014/Feb	Substitute …/program/yyyy/Mmm
ministry/program/02February	Substitute …/mmMmmm

If the path seems unclear, contact the ministry for an explanation on how they name directories.

Pattern

This allows using substitute variables in the source name enabling the Amb-OS User Interface to find programs that change names or to ignore unpredictable elements. This can automatically find a program with a date in the name without daily intervention.



If left blank or the entered pattern does not match anything, a window pops up with the option to contact Dave (support@amb-os.com) to add a pattern.

If the name seems unclear, contact the ministry for an explanation on naming convention.

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Pattern Options	
FTP Program Name with...	Substitute Pattern
A four digit year, two digit month and day Program Name: prgm-20140210	Substitue: prgm-yyyymmdd
A two digit month, day and year Program Name: prgm-021014	Substitute: pgrm-mmddyy
A four digit year, two digit month and day with a separator between segments Program Name: prgm-2014-02-10, prgm-2014_02_10 or pgrm-2014 02 10	Substitute: pgrmyyyy+mm+dd
A four digit year, two digit month and day and a separator between segments Program Name: prgm-2014-0210, prgm-2014_2010 or prgm-2014 0210	Substitute: pgrm-yyyy+mmdd
A four digit year and two digit month and a separator between the segments Program Name: prgm-2014-02, prgm-2014_20 or prgm-2014 02	Substitute: pgrm-yyyy+mm
A two digit month, day and year Program Name: prgm-021014	Substitute: pgrm-mmddyy
A two a digit month and day, four digit year and a separator between the segments Program Name: prgm-02-10-14, prgm-02_10_14 or prgm-02 10 14	Substitute: pgrm-mm+dd+yyyy
A two digit month and day Program Name: prgm-0210	Substitute: pgrm-mmdd
A two digit month and day and a separator between the segments Program Name: prgm-02-10, prgm-02_10 or prgm-02 10	Substitute: pgrm-mm+dd
A three letter month, a two digit day and a separator between the segments Program Name: prgm-Feb-10, prgm-Feb_10 or prgm-Feb 10	Substitute: pgrm-Mmm+dd
A three letter month, two digit day, a four digit year and a separator between the segments Program Name: prgm-Feb-10-2014, prgm-Feb_10_2014 or prgm-Feb 10 2014	Substitute: pgrm-Mmm+dd+yyyy
The full month name, two digit day, a four digit year and a separator between the segments Program Name: prgm-February-10-2014, prgm-February_10_2014 or prgm-February 10 2014	Substitute: pgrm-Mmmm+dd+yyyy
The full month name, two digit day, a “,” after the day, a four digit year and a separator between the segments Program Name: prgm-February-10,-2014, prgm-February_10,_2014 or prgm-February 10, 2014 (more common)	Substitute: pgrm-Mmmm+dd,+yyyy
A three letter month, two digit day and two digit year Program Name: prgm-Feb102014	Substitute: pgrm-Mmmddyy
A four digit year, three letter month and two digit day Program Name: prgm-2014Feb10	Substitute: pgrm-yyyyMmmdd
A variable length month and day and checks for a separator between the month and day. Program Name: prgm-2-10-14 for February 10, 2014 or prgm-11-1-13 for November 1, 2014	Substitute: pgrm-M+D+yy
An unpredictable variable in a program name. If the program name has the program number, but they are not in order, then the program number would be ignored. Program Name: prgm-IFL137_02-10-13	Substiute “*” for the 137 prgm-IFL*_mm+dd+yy

WARNING

Only one “*” or substitution can used in any one pattern.

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Examples

Program Name	Substitute Pattern
RTWL138-02-10-14.mp3	RTWL*-mm+dd+yy.mp3
PI140124-GimmeShelter.mp2	PIyyddmm-*.mp2
WW_Daily_01_31.mp2	WW_Daily_mm+dd.mp2

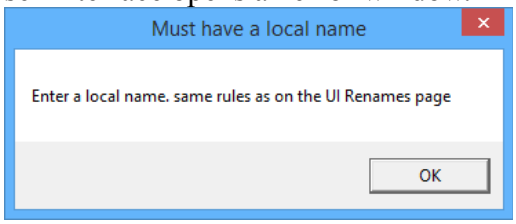
Illegal use of "*" or substitution	
Program Name	Substitute Pattern
PRGM-New-ABC_02-10-14.MP2	PRGM-*-*_mm+dd+yy.MP2

Lcl name (required)

Input the values wanted for the name of the file when it is transferred. The same options used in the "File Renames" can used in the FTP transfer.

The field cannot be left blank. Without a local name, the AMB-OS User Interface opens an error window.

WARNING
The local pattern must have an entry to give the program a name when transferred.



NOTE
Multiple part programs on FTP sites cannot be combined into one program with FTP transfer.

Cart title (optional)

While the Amb-OS User Interface maintains the Cart Chunk information or adds it as specified in the "System Info," a title can be added to the title field in the Cart Chunk data. Any name can be used, keep in mind the need of the automation system.

If left blank, no title is put in the title field of the Cart Chunk data.

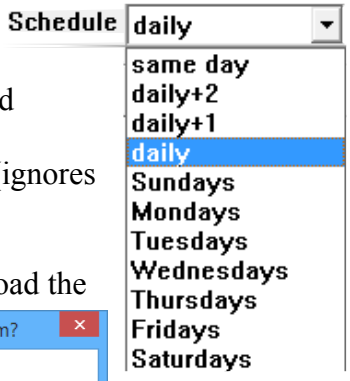
Ministry (optional)

Enter the name of the ministry. This field helps in organizing and identifying programs. If left blank, programs may not be easily identified when troubleshooting a missed transfer.

Schedule

Frequency: Determines how often the Amb-OS User Interface should transfer a program.

The drop-down menu options are:



Same day – Log in on the day of the air date.

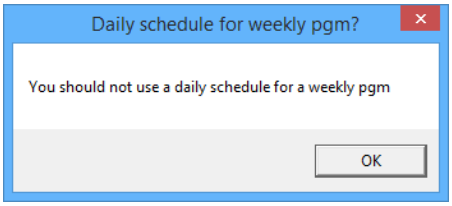
Daily+2 – Log in every day and search for programs two days before air date (ignores weekends – searches for Monday's program on Thursday and Tuesday's program on Friday).

Daily+1 – Log in every day and search for programs one day before air date (ignores weekends – searches for Monday's program on Friday).

Daily – Log in every day (ignores weekends).

Sundays thru Saturdays – Log in once a week on the day selected to download the program.

Selecting a daily check for a weekend program will open a warning window stating a daily check should not be used for a weekend program.



Time: Specifies the time (in 24 hour format) when the Amb-OS User Interface will transfer a program. While different times can be used for every program on a site, using the same time for all programs on the site eliminates unnecessary traffic on the host site.

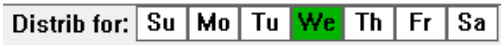
WARNING

If the time to transfer is scheduled before a program is available, the program will be missed and have to be transferred manually.

The Amb-OS User Interface follows the "After 12 PM (noon) Rule." Scheduled times before 12 PM (noon) transfers the same day's program and times after 12 PM (noon) transfers the next day's program.

A missed program will have to be transferred manually.

Distribution: Select the days the program airs and will be available on the FTP site. If a weekend program comes on a Wednesday, make sure only "W" is green. If more days are selected for a one day a week program, the FTP will log in more than necessary.



If a program does not get posted until after the selected day, the program will have to be transferred manually. For example, selecting Tuesday to transfer a program posted on Wednesday.

If a program has a daily date, the "Mo," "Tu," "We," "Th" and "Fr" boxes are automatically highlighted. Clicking on one of the days will clear the individual box. Double clicking on any of the weekdays will clear the boxes if they were highlighted and select them if they were clear.

Save: After setting all file settings and transfer times, click on "Save."

WARNING

If the Manage sites window is closed or another program is selected before clicking on "Save," all edits and changes will be lost.

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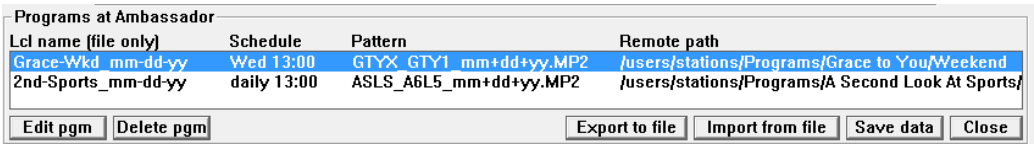
Programs (Status) Pane

This shows the name of the FTP site and the programs associated with that site. The title of the pane shows the name of the FTP site as listed in the "Site Maintenance pane." Clicking on a site in the "Site Maintenance pane" shows the programs associated with that site. Program information from the site can also be edited without logging into the associated FTP site.

Status

Double-clicking on a program populates the "Edit program pane" and enables modifying the settings.



Program line

Lcl name (file only): Displays the name of the program with the name it has when transferred.
Schedule: Displays the frequency of transfer and the time (24 hour) of the transfer.
Pattern: Displays the pattern used to check for programs on the FTP site.
Remote Path: Displays the directory tree for the program to be downloaded.

Edit Pgm

Allows the program information to be edited in the "Edit programs pane." Double clicking on a program in the window will also puts the program in the "Edit programs pane."

The editing mode can be done while logged into a site, but a site cannot be opened when editing program

WARNING
Editing the Remote path will cause a program to not transfer if the modified path does not exactly match the path on the FTP site.

Delete pgm

Deletes the highlighted program.

WARNING
Deleted programs are deleted immediately and cannot be undone and have to be entered again.

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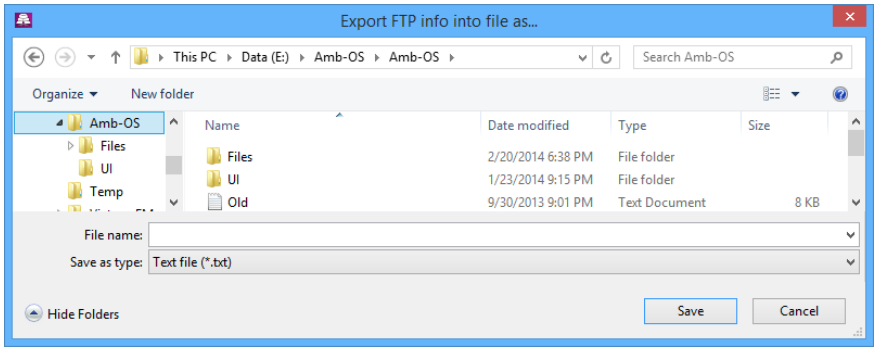
Global Buttons

Export to File

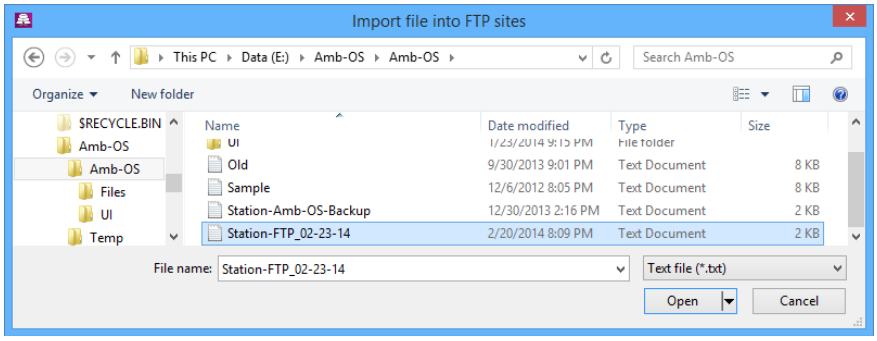
Exports the settings for the FTP transfers. Clicking on "Export to file" opens a save dialog box to select the file name and the directory. Input the desired file name and click on "Save." This allows retrieving the program list to restore previous settings or when installing new Amb-OS User Interface to the computer.

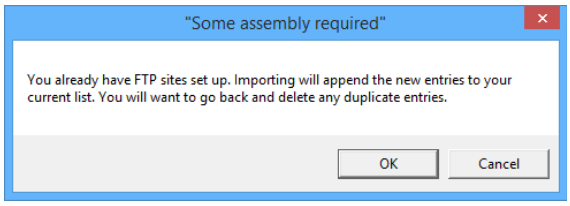


Import from File

Imports the saved settings. Click on "Import from file" to import a save settings file. The open file dialog box. Select the directory and the file that was saved and click on "Open."

If sites have already been setup, a warning box opens with the reminder that the current settings will be overwritten.





WARNING
If sites have already been setup, importing a saved file will overwrite the existing settings.

Save Data

Changes made to a program enables the "Save data" button and allows adding or editing another program. Clicking on the button saves the changes. However, closing "Manage sites," clicking on "Close" or the Windows® red "X" (upper right) also saves the data.

Close

Closes the "Manage Sites window."

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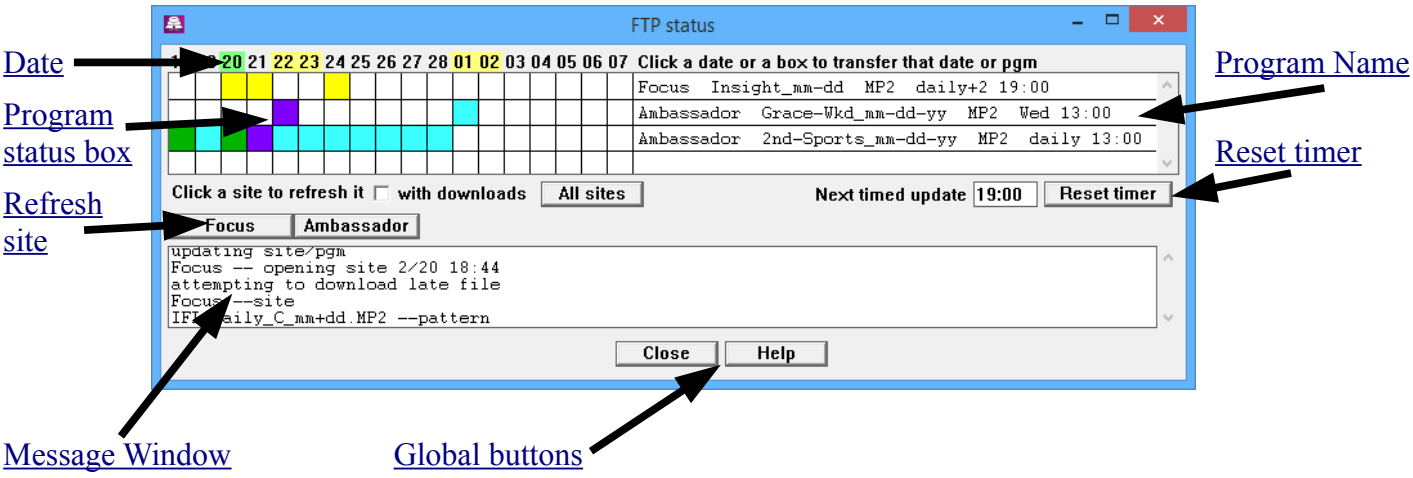
FTP Status

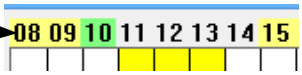


Date

Shows an eighteen day schedule starting two days before the current date to verify programs have been transferred. Up to twenty programs programs can be listed.

Green: The current date
Yellow: Weekend date

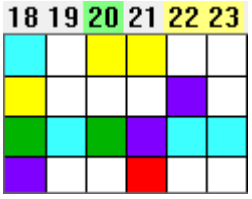
Clicking on a date will download the available programs for that date, but programs that have already be downloaded will be ignored.



Program status box

Shows the status of the program with different colors.

Color	Status Indication
White	No program available for that date
Light Blue	Program is available on the FTP site
Green	Program has been successfully transferred
Purple	Program has been queued for transfer
Red	Transfer of the program encountered an error
Yellow	Program has missed the scheduled transfer time



To transfer a program, click on a box that has a program for the day and that day's program will be downloaded even if the program has already been successfully downloaded. Here are the actions the Amb-OS User Interface will take when clicking on the boxes (based on the color of the box).

Light blue: Program available, but has not yet downloaded – will download
Yellow: Program missed – will be downloaded
Green: Program available and has already downloaded – will download again
Purple: Program queued for transfer – no affect
White: No program available – will not download
Red: Program transfer error – another attempt will be made to download

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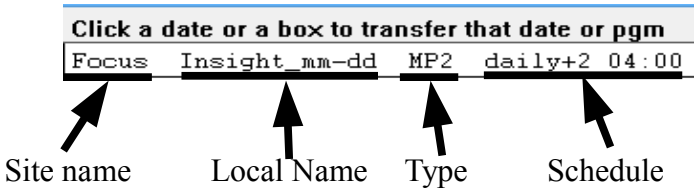
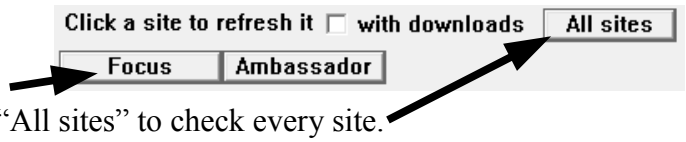
Program Name

Displays the site, name, type of file on the site, and schedule of the transfer.



Site Name: The name of the FTP site as specified in the "Site Maintenance Pane."
Name: The local name of the file (extension is assigned by the "System Information" setting).
Type: The type of file on the FTP site and not the type of file saved in the transfer.
Schedule: The frequency of the transfer (daily, once a week) and the scheduled time of the transfer.

Refresh site



Used to update site content, to verify if programs exist and if they need downloading. Individual sites can be refreshed by clicking on the name of the site. Click on "All sites" to check every site.

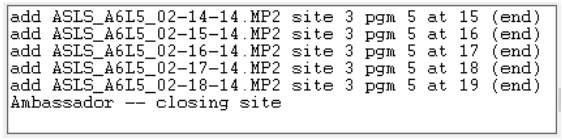
Check the box next to "with downloads" and refresh one site or all sites. Programs meeting or have missed their scheduled transfer time will be queued for transfer when the site is refreshed.

Reset Timer

Recalculates the next transfer event.

The timer checks for the next program based on the air date(s) selected in "Edit Programs pane." A Saturday program schedule for a Wednesday transfer, is checked on Wednesday.

Message Window



Displays the activity of FTP actions – opening or closing a site, transferring a program, etc. Closing the "FTP status" window erases the log. The Amb-OS User Interface activity window also records the messages, but they are mixed in with other messages and are not as organized and may be harder to find individual messages.

Global Buttons

Close: Closes the FTP status window (no confirmation).
Help: Opens the help file.

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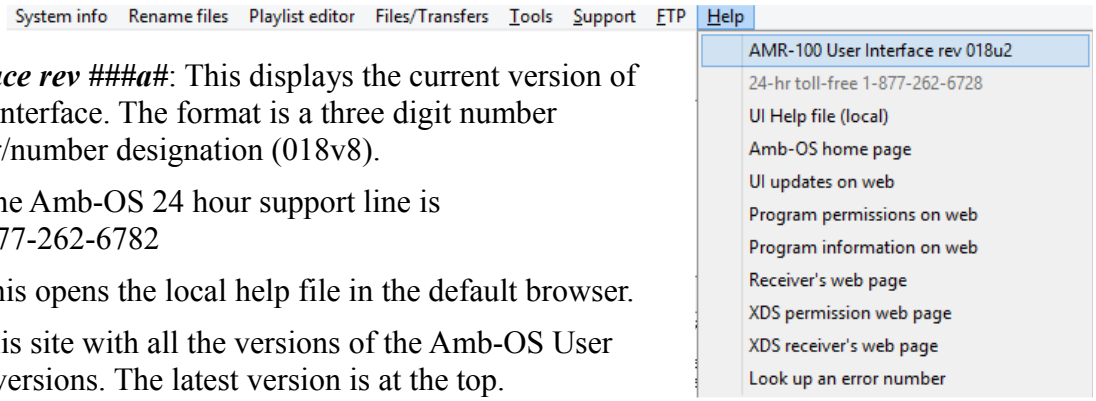
Help



AMR-100 User Interface rev ###a#: This displays the current version of the Amb-OS User Interface. The format is a three digit number followed by a letter/number designation (018v8).

Amb-OS Help Line: The Amb-OS 24 hour support line is 877-Ambos2u or 877-262-6782

UI Help file (local): This opens the local help file in the default browser.

UI updates on web: This site with all the versions of the Amb-OS User Interface software versions. The latest version is at the top.
Address: http://www.focussat.net/ambos/ui.html.

Program permissions on web: This opens the program permission page to request and remove programs. Enter the serial number of the receiver and the password. The site opens a window showing the address used to send the password and an option to add an alternate user.
Address: http://www.focussat.net/cgi-bin/ambos/permissions

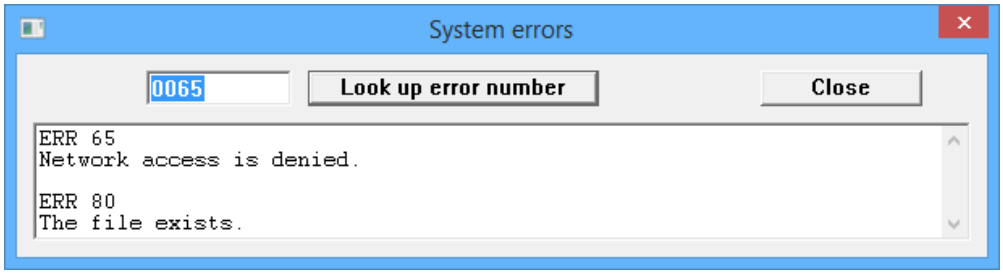
Program information on web: This opens the program information page, which lists all the programs on the Amb-OS system, the Amb-OS system name and the queue times.
Address: http://www.focussat.net/ambos/programs.html.

Receiver's web page: This opens the AMR-100's built-in web page with access to various settings and logs on the receiver. The AMR-100 Installation manual has a full description on receiver's web page.

XDS Permission web page: This opens the XDS permission page to request programs from Moody Radio for the XDS receiver.
Address: http://www.whereyouturn.org/storeandforward

XDS receiver's web page: This opens the XDS receiver's default web page.

Look up an error number: This provides explanations for Error numbers in the Amb-OS User Interface activity window. Simply enter the error number for an explanation.



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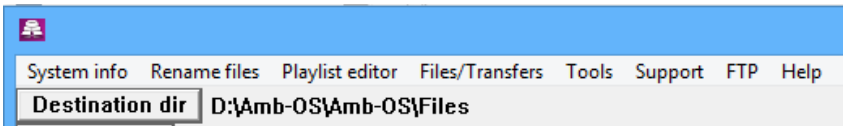
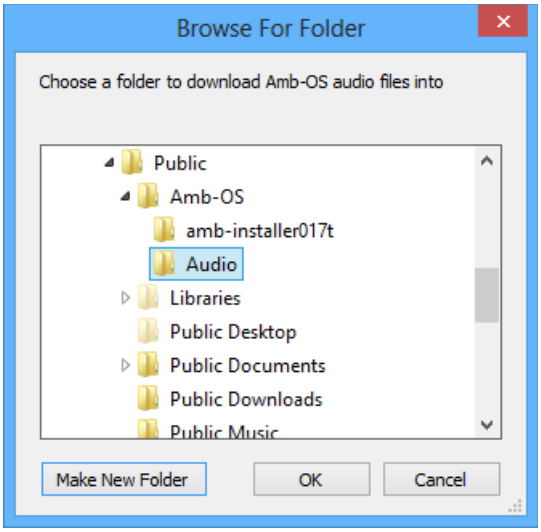
Menu Buttons

Destination dir



This opens a dialog box to select a the destination folder of the transferred programs. Select the desired folder and press "OK" to save the directory. A folder can be on a different computer as long as it is connected to the same network. This is particularly useful when transferring programs to automation system. However, if the network fails, the program will not be transferred and an error will be generated indicating it cannot fine the specified directory.



WARNING
If a destination directory is on a different computer and the network fails or the destination computer fails, the program will not transfer.

If the Browse For Folder dialog opened after importing a settings file, the "System info" box opened to enter the AMR-100's IP address and serial number.

NOTE
When installing the Amb-OS User Interface the first time, the program will ask for a destination folder for the audio files.

WARNING
The destination directory needs to be on a drive with several gigabytes free or the drive will need to have old files removed. The Amb-OS User Interface will be unable to transfer programs if there is not enough space on the destination drive.

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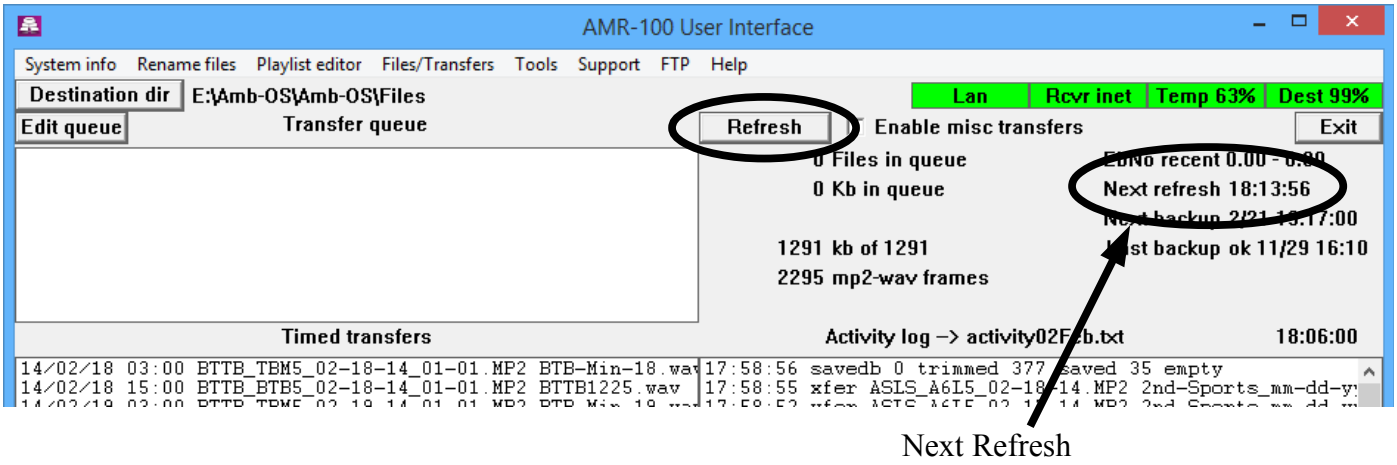
Refresh

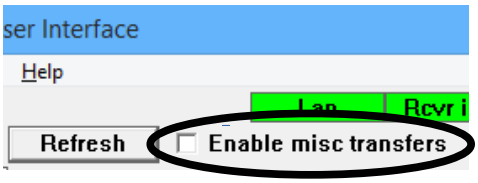
After making changes to the timed transfers or to make sure the latest programs have been transferred from the receiver, use the "Refresh" button. This immediately rereads the programs on the AMR-100 and updates any timed transfer changes, but it does not transfer programs.



A total refresh in the "Tools" menu rereads the programs on the AMR-100 and also transfers programs.

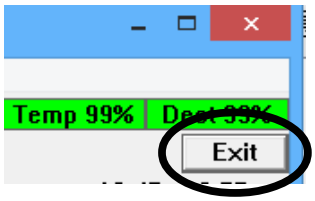
Newly arrived programs update automatically and the system refreshes every 10 minutes. The next refresh time is shown in under the "next refresh" message.

Enable Miscellaneous Transfers

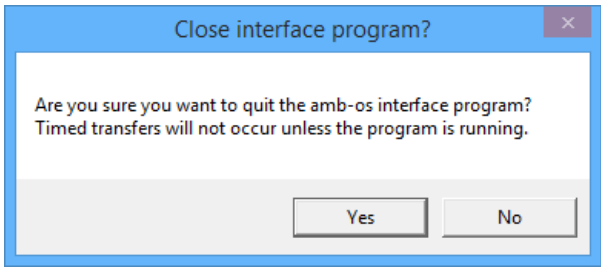


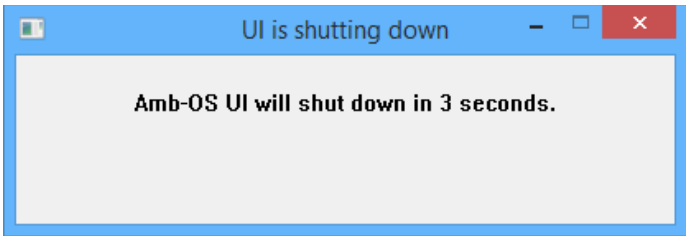
This option turns on and off the automatic transfer of programs that do not have a timed transfer in the "File rename" box. Checking the "Enable misc transfers" box causes programs to automatically transfer to the destination directory. If this box is not checked, then the programs without a timed transfer will not be transferred. All programs listed in the "Transfer Queue" window, do not have a transfer time. Without checking this box, programs will have to be transferred manually.

Exit



"Exit" terminates the program. Terminating the Amb-OS User Interface prevents programs from transferring so a confirmation window opens when clicking on "Exit." Press "Yes" to confirm exiting or "No" to return to the Amb-OS User Interface. To finish background processes and clear the transfer queue, the Amb-OS User Interface delays the shutdown for three seconds.





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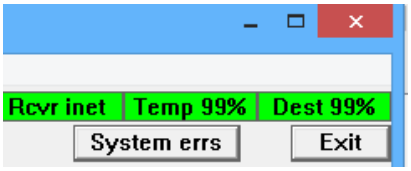
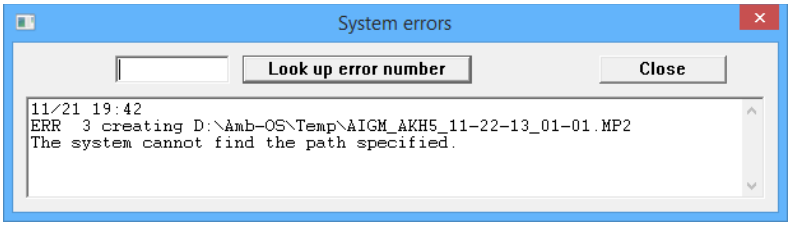
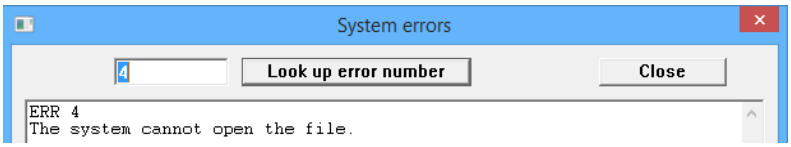
System Errors



If the Amb-OS User Interface encounters a problem in the Windows® operating system, the "System errs" button appears. Clicking on it opens a window showing the error. Each error has the date and time of the error, the error number, the name of the program that was being transferred and a description of the file. Additionally, any number can be put in the "Look up error number" box to give a verbose description of an error number.



After displaying the "System error" window, the "System errs" button disappears until another system error occurs.



If the problem continues, Windows® may shut down the Amb-OS User Interface.

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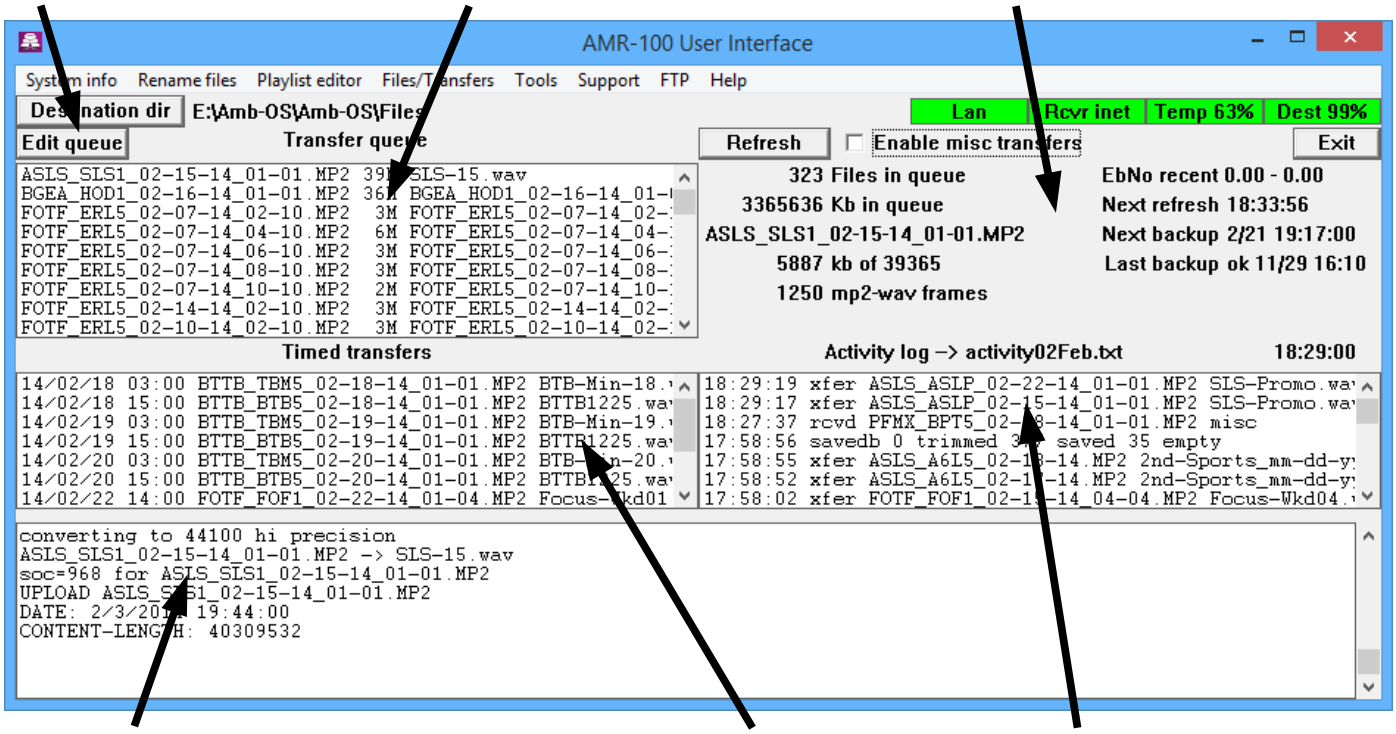
Amb-OS User Interface Windows

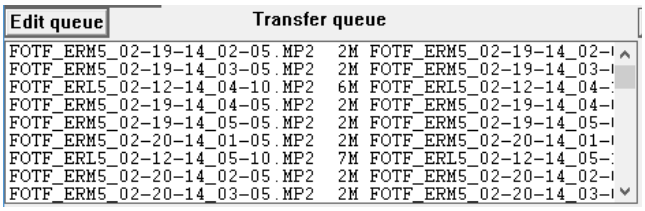
Several windows display information about what the Amb-OS User Interface is doing. The "Transfer Queue" shows programs being transferred immediately after arriving. The "Timed transfers" shows the programs transferred only at the time listed. programs with a timed transfer are not listed in the "Transfer Queue" and programs without a timed transfer are not listed in the "Timed transfer" window. Between the two windows, all the programs are shown that will be transferred. In order to have programs without a timed transfer get automatically transferred, select the "Enable misc transfers" box.

WARNING

Files that have not arrived are not listed in either window. Only those files that have been successfully received are shown.



Transfer Queue



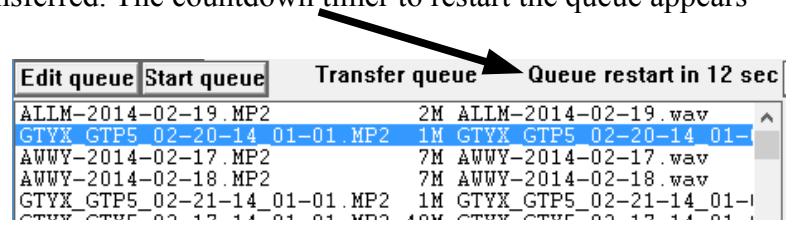
This shows programs that will be transferred as soon as they arrive if the "Enable misc transfers" box is checked. The Amb-OS User Interface transfers the program from the AMR-100 to the directory selected in the destination directory option. The window displays the program renames, selected in the "File Rename" window.

Clearing the "Enable misc transfers" box disables the automatic transfer and removes programs from the "Transfer Queue" window. This also means programs without a timed transfer will have to be manually transferred with the "Files/transfers" window.

 © 2014

Edit Queue

This pauses the transfer of programs for thirty seconds and allows programs to be reordered. To move a file to the top of the list, double click on the desired program. If no transfers are in progress, the selected program moves to the top of the list. Programs in the process of being transferred or converted will not be aborted so the selected program will be put after the transferring program and be the next program transferred. The queue automatically restarts in thirty seconds to prevent the queue from being permanently disabled and stopping programs from being transferred. The countdown timer to restart the queue appears on the screen.



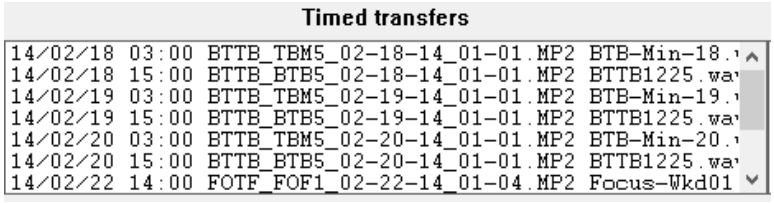
The restart timer cannot be reset by clicking on "Edit Queue." The queue has to be restarted and then click on "Edit Queue" to pause the queue for another thirty seconds. As soon as the "Start queue" is clicked, the current transfer resumes or the next program begins transferring.

Start Queue

This button appears each time when clicking on the "Edit queue" button. This allows the queue to be restarted before the thirty second pause finishes. If the "Start queue" button is not pressed, the queue automatically restarts in thirty seconds to prevent the queue from being permanently disabled.

Timed Transfers

This shows the programs with their specific transfer times entered in the Rename files window. Programs are listed in chronological order starting with the earliest transfer. The "Transfer queue" window shows unscheduled transfers if the "Enable misc transfers" box is checked.



Missed transfer times

If the Amb-OS User Interface was not running at the time of a scheduled transfer or a program arrived after the scheduled transfer time, the program will be transferred when the Amb-OS User Interface is restarted or when the file is available. If a program arrives or the Amb-OS User interface is started more than 24 hours after its scheduled transfer time, the program will have to be transferred manually.

WARNING

Programs more than 24 hours later than their scheduled transfer time have to be transferred manually.

The "Refresh" button updates the window and shows all the programs that have arrived and any pending transfers. The updated list inserts programs in their appropriate time slots. The Amb-OS User Interface will not transfer any program more than 24 hours after its scheduled transfer time so a late program does not overwrite the current day's program. However, should program need to be transferred, go the "Files/transfer" window in "Tools" and manually transfer it.

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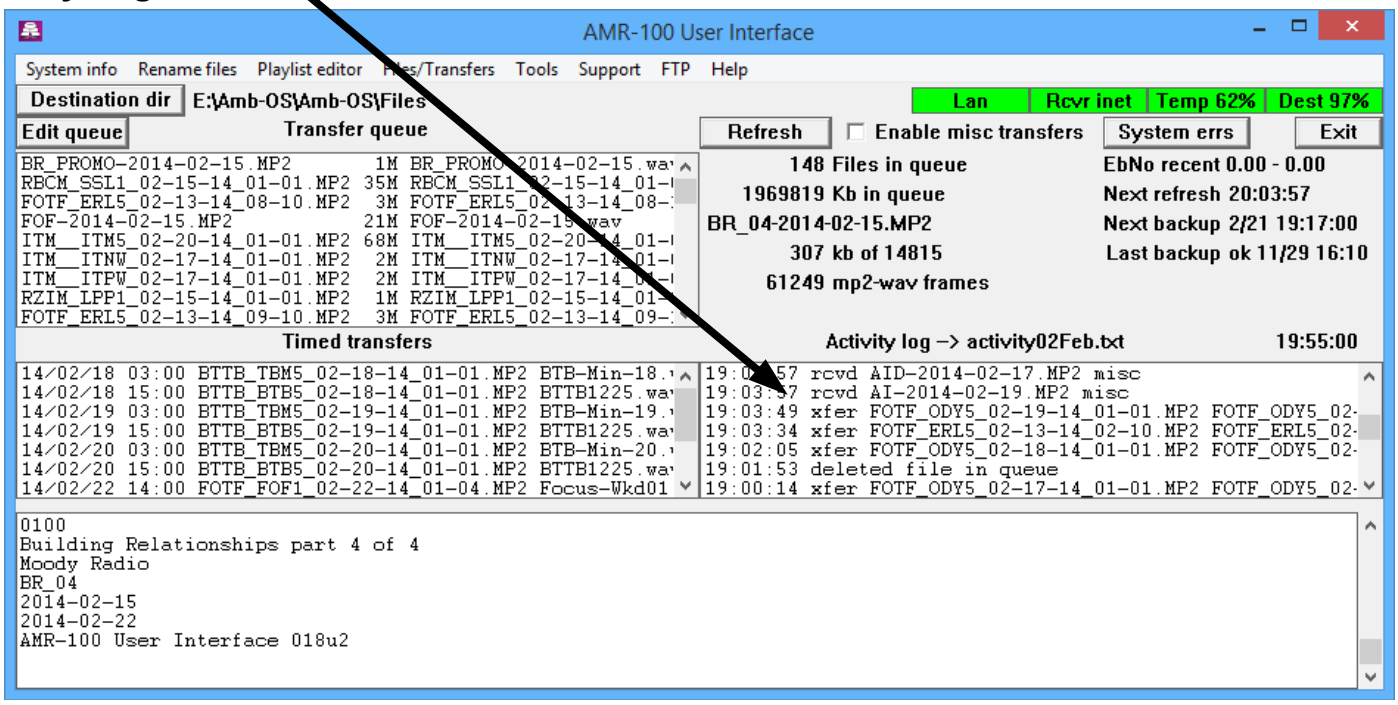
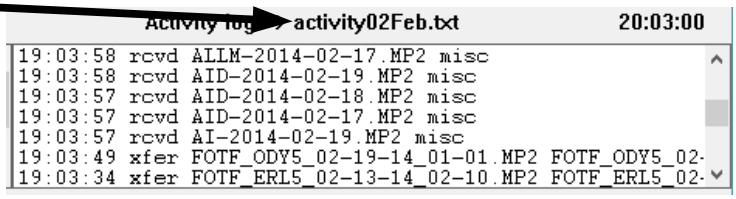
Activity Log Window



The Activity window shows the Amb-OS User Interface program activity. A complete list of messages is listed in the "Appendix."

Activity Log File



The Amb-OS User Interface automatically creates the "Activity Log File" once a month. The Amb-OS User Interface just uses the month for the log's file name. That means log files are only kept for one year. The log file for January 2014 (activity01Jan.txt) will be overwritten with the log file for January 2015 (activity01Jan.txt).

File names for the logs:

The activity log files are "activity##MMM.txt"
The FTP log files are "ftplog##MMM.txt"
(## = month number – 01, 02)
(MMM = month name – Jan, Feb)

The "Activity Log file" can be used to check the actual transfer time of programs to verify if programs were transferred at the appropriate time and to see the actual transmission time. Remember, programs will not be transferred until they have been successfully received.

The Activity Log File can be viewed by using the "Explore log files" under the "Tools" menu.

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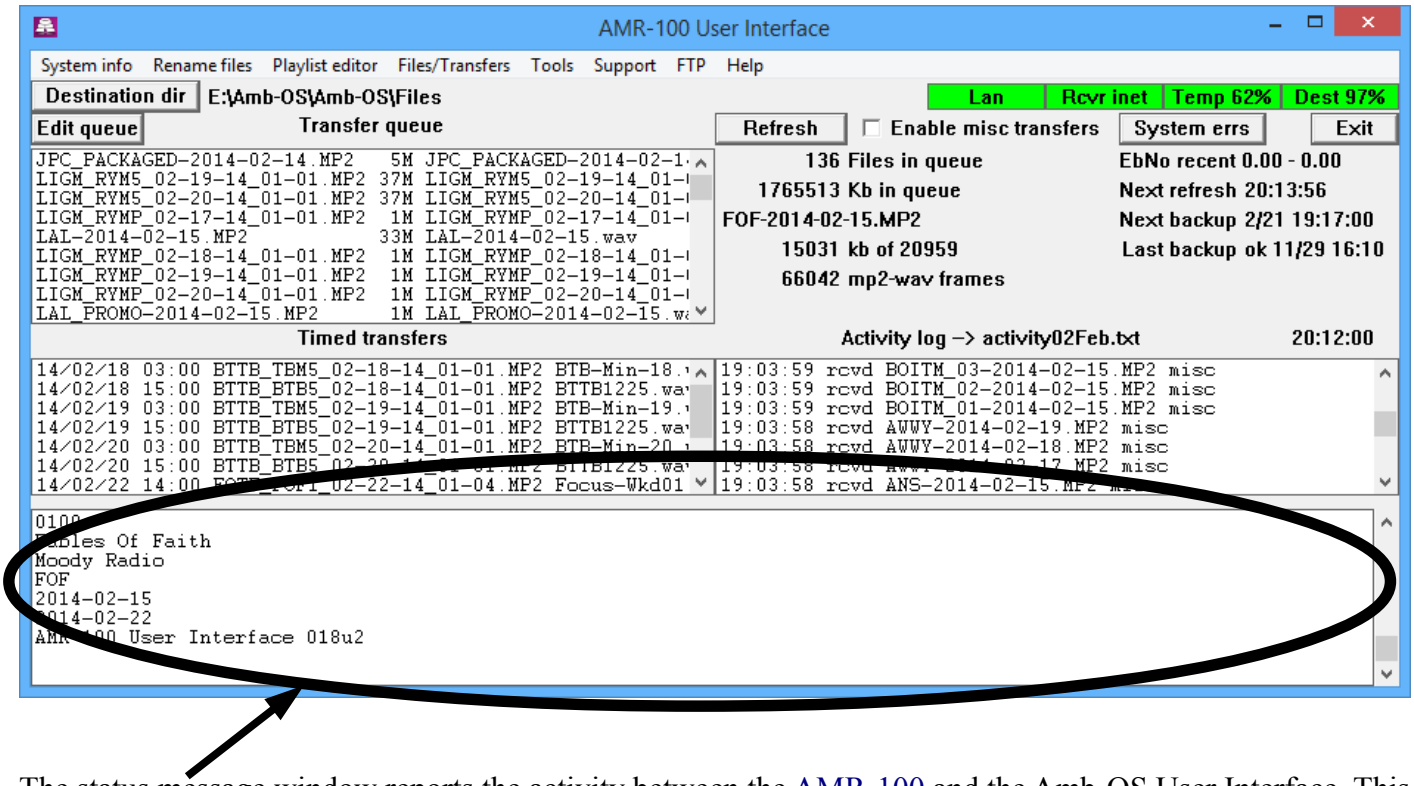
Status Messages



The status message window reports the activity between the AMR-100 and the Amb-OS User Interface. This only serves as a troubleshooting aid for Amb-OS support personnel.

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Status Indicators

Receiver Status

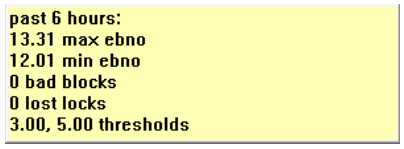
The status boxes report the status of the AMR-100. This section merely summarizes the status messages. The AMR-100 Manual gives a full explanation of the parameters listed. The manual can be downloaded at http://www.amb-OS/support.html or viewed on the AMR-100 receiver's web page by entering the receiver's IP address in a web browser.

- EbNo: The number displays the strength of the signal on the AMR-100
  EbNo is not displayed on the AMR-100I, because there is no RF signal).
- Lan: Shows whether the AMR-100 is attached to a local area network.
- Rcvr inet: Shows whether the AMR-100 can communicate with the Amb-OS servers.
- Temp XX%: Shows the amount of unused space on the temporary directory.
- Dest XX%: Shows the amount of unused space on the destination directory.

When a problem exists the boxes become yellow as a warning and red to indicate a failure or critical condition. The warnings can be set with the Manage status indicators.

Pop-up Status Indicators

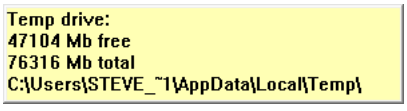
When moving the mouse pointer over a status indicator, a message window appears below the indicator showing the status of that indicator. The indicator messages can come immediately or after letting the pointer stay on the status messages for a fixed period of time. Set the delay for the pop up indicator messages with the "Manage Status indicators" in the "Tools" menu. The message stays open as long as the pointer stays on the message box. When the pointer is moved off the indicator, the message window closes.



EbNo

Lan

Rvcr inet



Temporary Drive

Destination Drive

Pop-up Status Error Messages: The Amb-OS User Interface checks the status of the AMR-100 at periodic intervals so the Pop-up status indicators can be blank or show and error at startup.

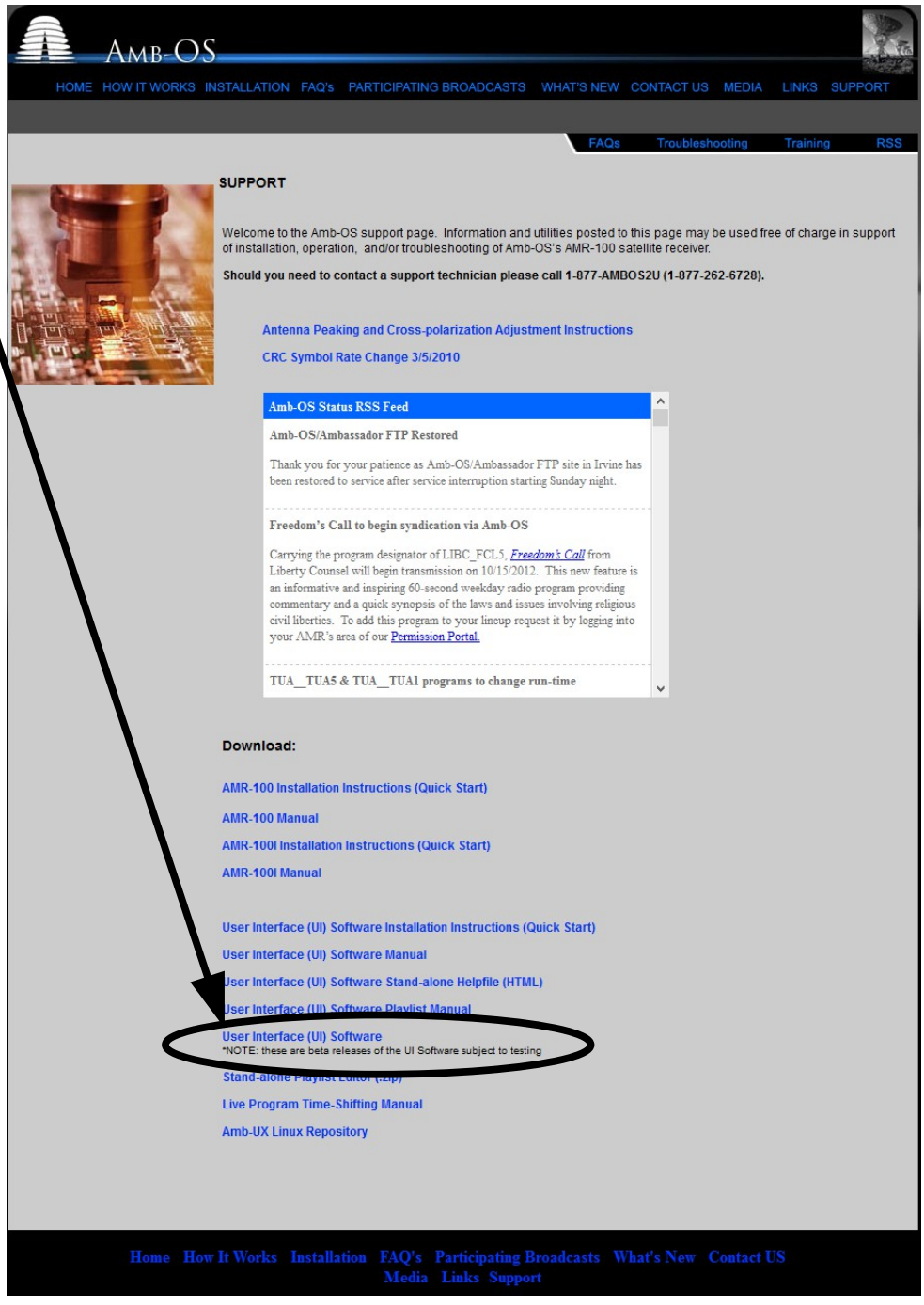
Amb-OS Appendix

Installation Details

Downloading the Amb-OS User Interface

The version of the Amb-OS User Interface installation package does not change the downloading process.

Download the Amb-OS User Interface from http://www.Amb-OS.com/support.html. Scroll down and click on the link for "User Interface (UI) Software" to save the file to your computer.



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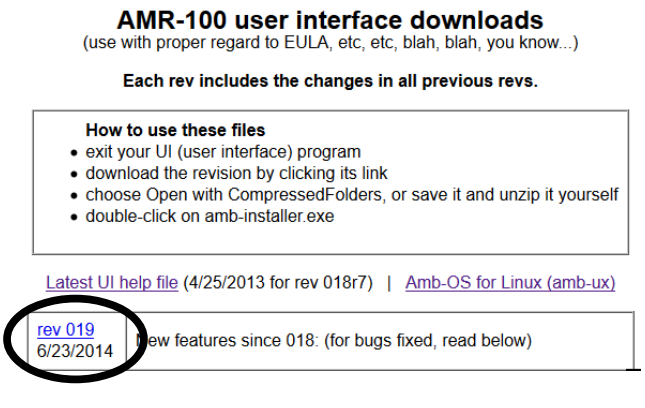
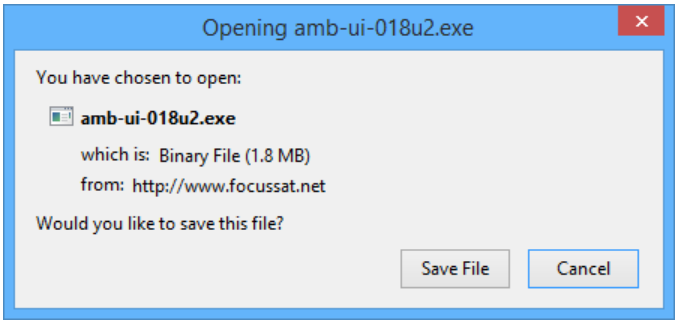
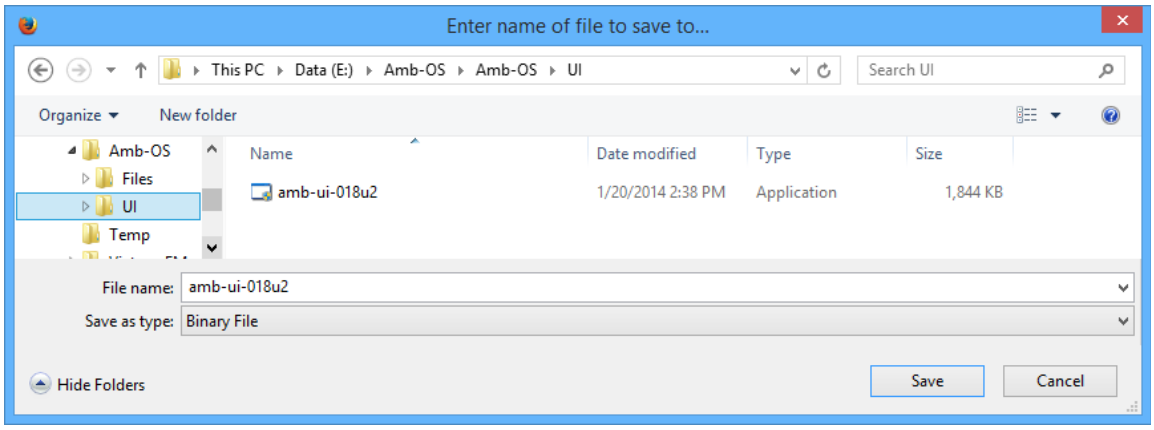
The first entry in the chart has the latest version. After clicking on the link for the desired version, a dialog box opens asking to open (with Internet Explorer®) or save the file.

Select Save File and, if the browser is set to prompt for a location, the save location dialog box opens. Otherwise, the file will be saved to the default download location.







Select the location for the Amb-OS User Interface installation file and save the file. Once the file has been saved, open Windows Explorer® and navigate to the location of the saved file. With most browsers, the downloaded file is listed in the download file list to just click on the file name. Many browsers use <ctl><j> to open the downloaded file list.

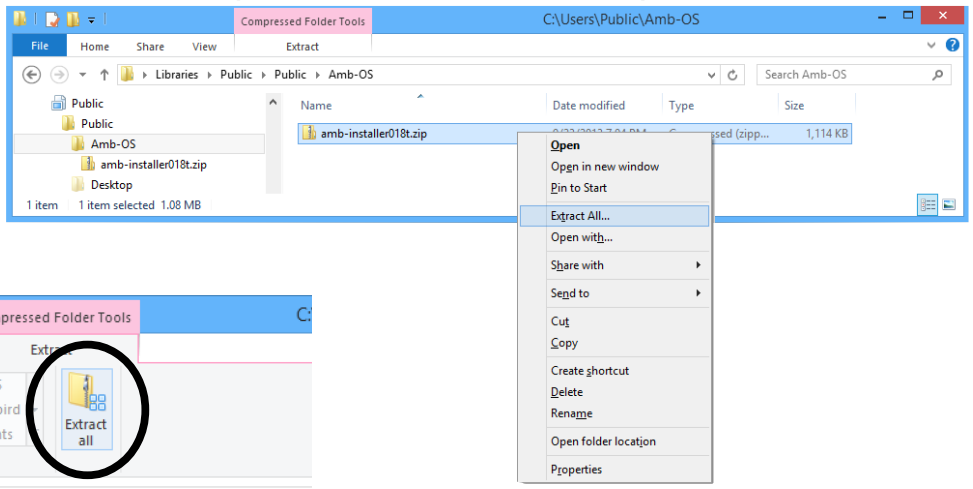
Versions 018u and before come as a zip file. Use the instructions in Extracting the Amb-OS User Interface File and then run the extracted executable file.

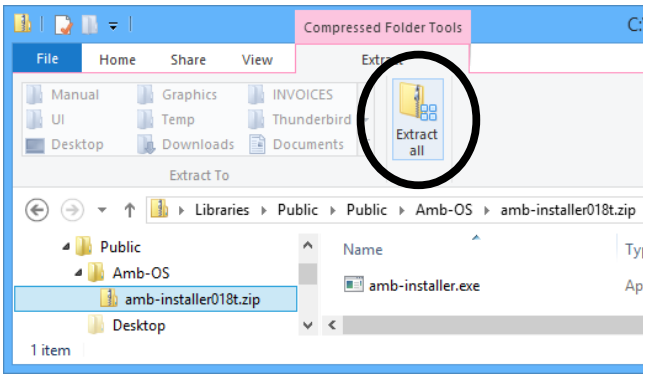
Versions 018u2 and after come as an installer program. User the instructions in Program Installation.

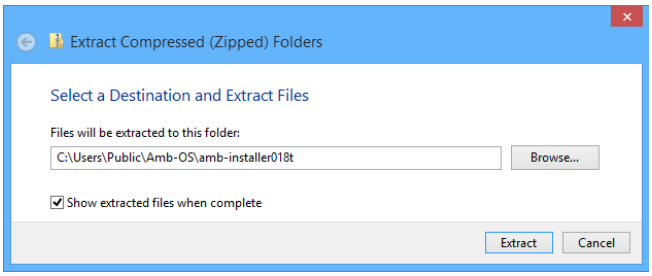
Extracting the Amb-OS User Interface File (Version 018u and earlier)

Extracting the installation file can be done two ways.

1. Right click on the Amb-OS User Interface ZIP file and select “Extract All...” to extract the Amb-OS User Interface.







2. Double click on the file to open the Amb-OS User Interface ZIP package. Click on the “Extract all” box to extract the Amb-OS User Interface program.

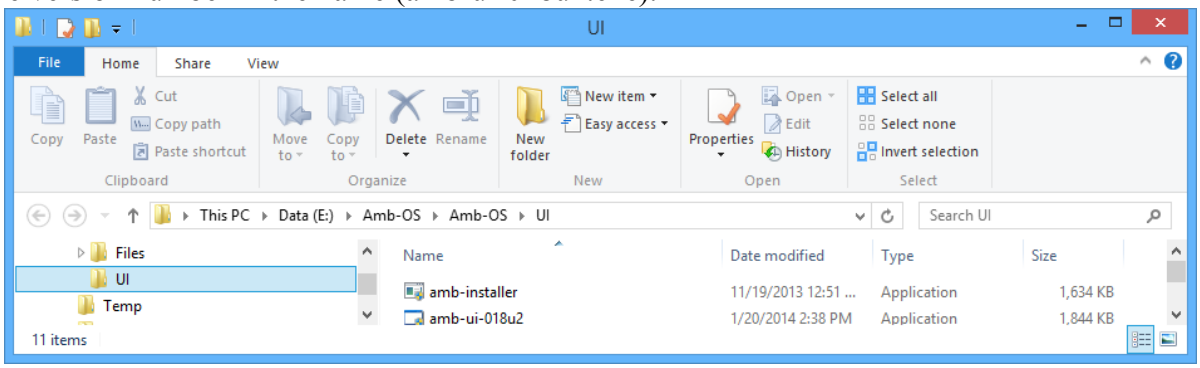
The extraction dialog box opens in order to select the destination of the Amb-OS User Interface installation program. The extraction dialog box allows the folder location to be changed. It defaults to a directory with the same name as the Amb-OS User Interface ZIP file in the same directory where the ZIP file is.

By leaving the “Show extracted files when complete” checked, a new Windows Explorer® window will open with the uncompressed Amb-OS User Interface installation file. Double-click on “amb-installer” to install the Amb-OS User Interface.

Program Installation

Using Windows Explorer®, open the location of the Amb-OS User Interface executable installation program. Double click on the file to begin the installation process.

Versions 018u and earlier will have a generic name (amb-installer.exe) and versions 018u2 and later will have the version number in the name (amb-ui-018u2.exe).



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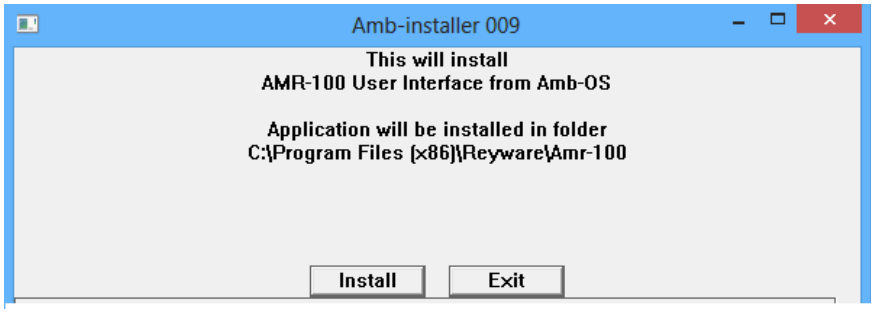
Amb-installer

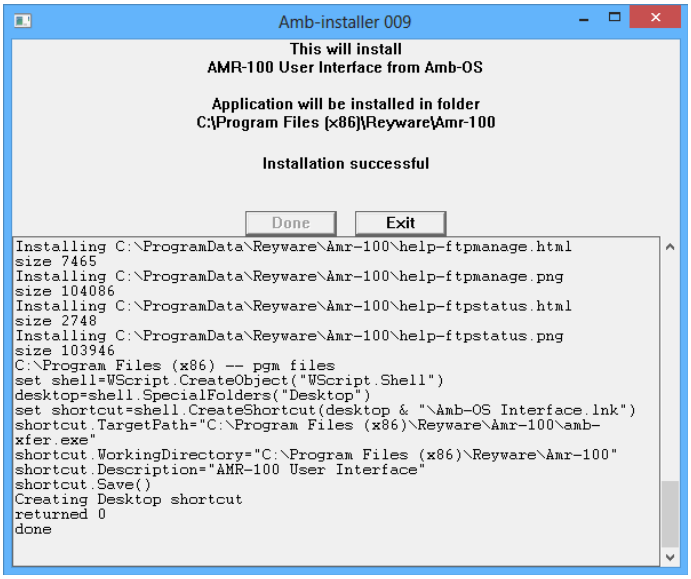


When the install programs runs, it brings up the installation window.
Install: installs the program
Exit: terminates the installation process

WARNING

Clicking on "Exit" before clicking on "Install" aborts the Amb-OS User Interface installation. The Amb-OS User Interface will not be installed and that will prevent transferring audio programs from the AMR-100 receiver and creating playlists.

During the installation process, the window displays the progress of the installation. The install button will change to Done and "grey" out to show you that the installation is complete. Press Exit to complete the installation.



WARNING

Wait until Done appears at the bottom of the window before pressing Exit or you will not finish the installation.

After the Amb-OS User Interface installs, some versions of Microsoft Windows® may give open a window with the following warning: "This program might not have installed correctly." If so, simply click on "This program installed correctly."

Click on Exit to terminate the Amb-installer program.

As part of the installation process, the Amb-OS User Interface puts a shortcut icon the desktop after successfully installing.

Double click on the icon to start the Amb-OS User Interface.

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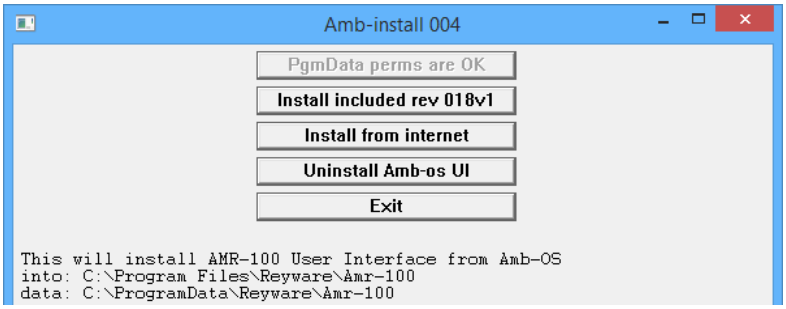
Amb-Install 004



When the install programs runs, it will bring up the installation window with several options.

Fix permissions
Install included rev 018v1
Install from internet (not implemented)
Uninstall Amb-os UI
Exit

WARNING

Clicking on "Exit" before clicking on "Install" aborts the Amb-OS User Interface installation and the Amb-OS User Interface will not be installed preventing the transfer of audio programs from the AMR-100 receiver and creating playlists.

Fix Permissions

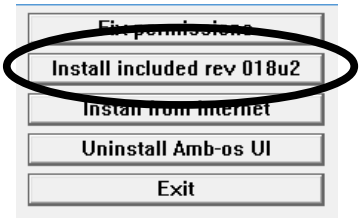
Due to potential conflicts with Microsoft Windows® versions 7 and 8, some program permissions in earlier versions of the Amb-OS User Interface need correcting. If access denied errors happen, this option often corrects those errors if they are caused by improper file or folder permissions.

Click on Exit after the repairs have been done.

NOTE

The latest version of the Amb-OS User Interface does not need to be installed to use this option.

Install Included Rev



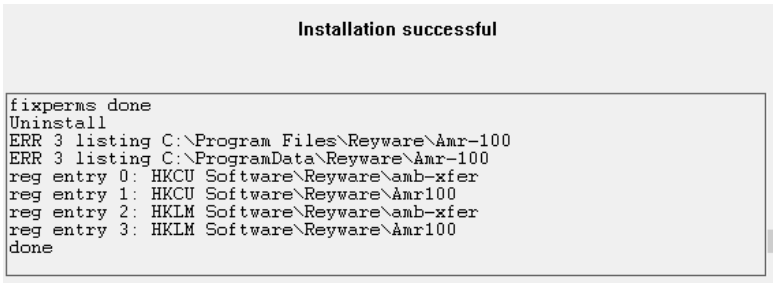
The install button displays the version downloaded (018v1 or current version). During the installation process, the message "UI is not running" disappears and the window displays the progress of the installation.

Windows® version 8 may open a warning notice about protecting the PC. Click on "More information" and then click on "Run away" in the next window (see Windows® version 8 installation warnings).

When the Amb-OS User Interface has been installed, a message says, "Installation successful."

WARNING

Wait until "Installation successful" appears at the bottom of the window before pressing "Exit" or you will not finish the installation.



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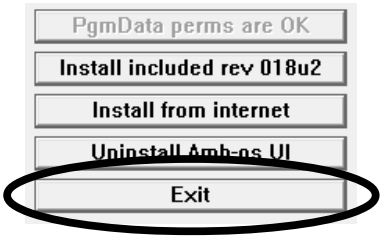
As part of the installation, the Amb-OS User Interface puts a shortcut icon the desktop after successfully installing.

Double click on the icon to start the Amb-OS User Interface.



Click on Exit to complete the installation.

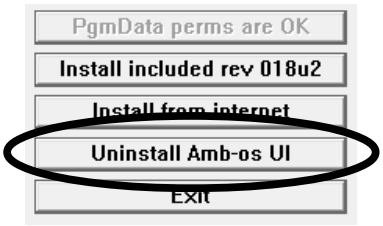
Install from Internet

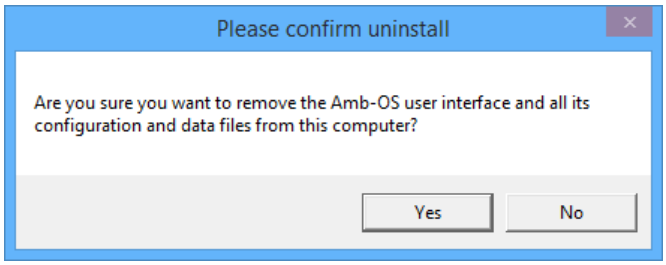
This has not been implemented in install version 004. Use "Update UI" in the "support menu" to install a version from the Internet.

Uninstall Amb-OS UI

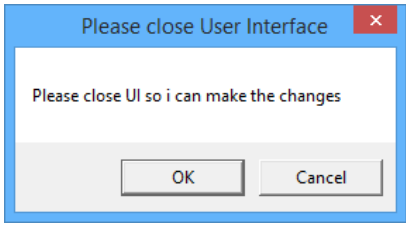
Amb-Install - Revision 004 and later

Run the Amb-OS User Interface install program located in the directory selected when the program was downloaded. Click on the "Uninstall the Amb-OS UI" button. The program opens a confirmation window to allow canceling the uninstall process and preserving files. It uninstalls all versions of the Amb-OS User Interface.

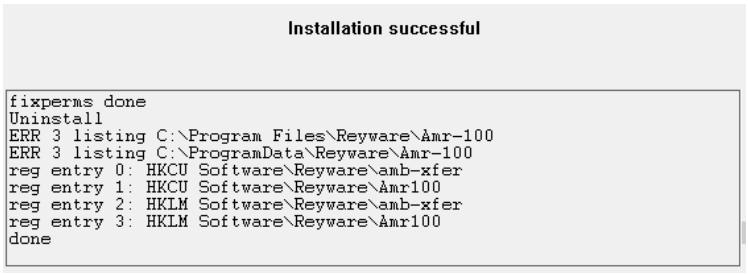




If the Amb-OS User Interface is running, an error window opens stating the Amb-OS User Interface program must be stopped before proceeding.



After the Amb-OS User Interface program has been uninstalled, the installation window indicates the directories have been removed and displays the message: "Installation successful."



NOTE

The latest version of the Amb-OS User Interface will uninstall all versions.

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Manually Uninstall Revision 018u1 and earlier

If you need to uninstall the Amb-OS User Interface, you need to delete the "*Reyware*" directory in the "*Programs*" directory on the C: or boot drive.

Open *Windows Explorer*® and select the C: drive. It may display a message that these files are hidden. Click on the option to show the files.

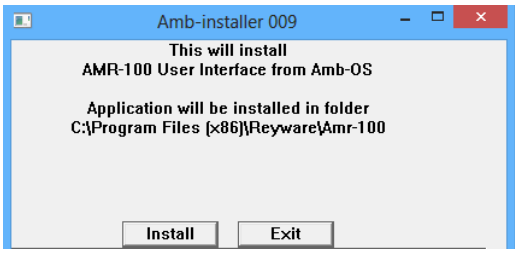
Double click on the "*Program Files*" directory in a 32 bit operating system or "*Program Files (x86)*" with a 64 bit operating system.

Scroll down until you see "*Reyware*," right click on that directory and select "*Delete*" and confirm that you want to delete the directory.

Under the "*Program Files*" or "*Program Files (x86)*," scroll down to the "*ProgramData*" directory and open it. Delete the "*Reyware*" directory. Right click on that directory and select "*Delete*" and confirm that you want to delete the directory.

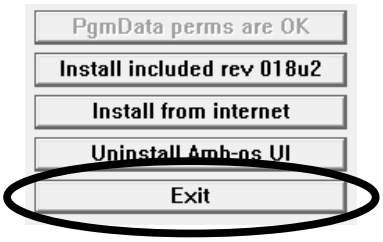
Right click on the desktop icon and click on "Delete" to remove the icon.

Exit



Amb-installer (version 009 and earlier): Clicking on "Exit" before clicking on "Install" will not install the Amb-OS User Interface and terminate the Amb-installer program.

Amb-install (version 004 and later): After completing the desired action in the installer program, click on "Exit" to end the program. Clicking on "Exit" before doing any action ends the installer program and the Amb-OS User Interface is not installed or changed.



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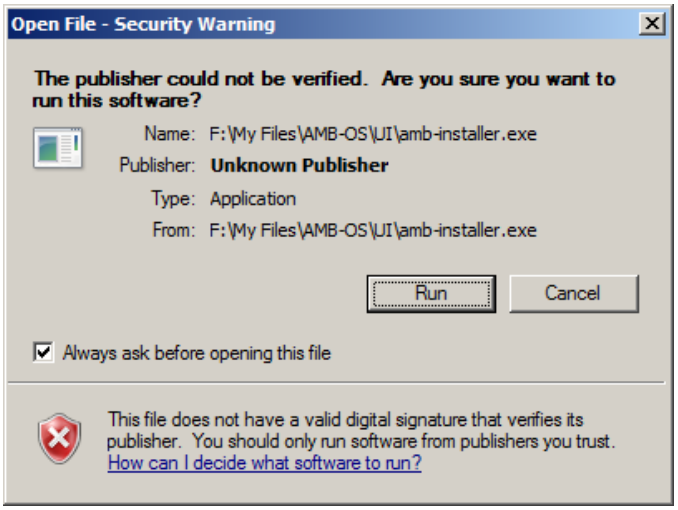
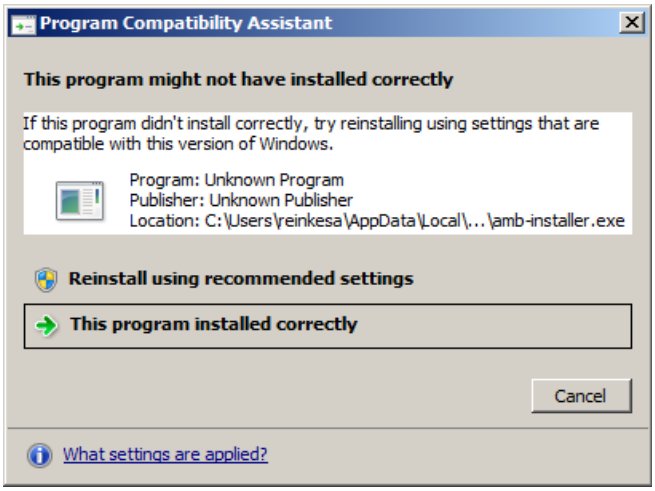
Install Warnings

Windows® version 7 or earlier with Amb-Installer (Version 018u1 and earlier)

When starting the Amb-OS User Interface installation program, a "Security Warning" window may open. Click on "Run" to install the program.





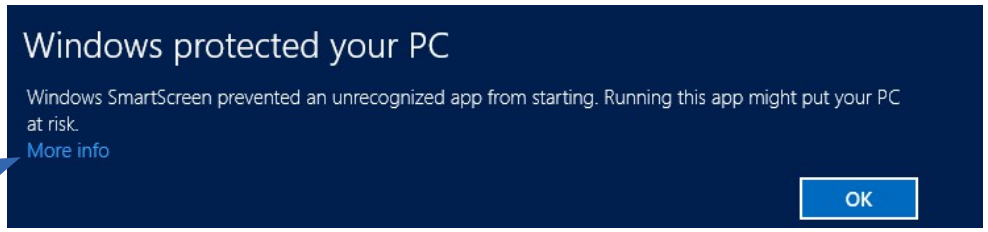
Some versions of Microsoft Windows® using the "amb-installer" may give you the following warning after the Amb-OS User Interface installs: "This program might not have installed correctly."

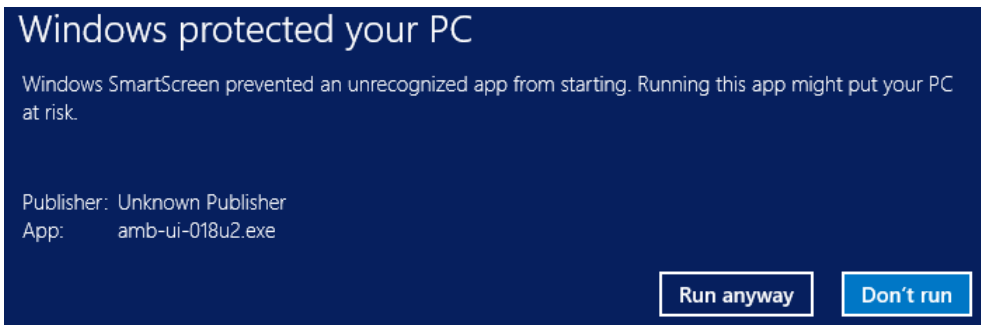
If so, simply click on "This program installed correctly" to complete the installation.

Windows® version 8

A security warning may pop up with the message stating the program may put the computer at risk. Click on "More info" to expand the window.

Click on "Run Away" to install the Amb-OS User Interface.





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Initial Settings

When installing the Amb-OS User Interface for the first time, the "Amb-OS UI initial startup" window opens automatically to set the Amb-OS User Interface parameters.

The options to set the Amb-OS User Interface parameters:

- Browse for an export file on my disk
- Look for an export file on my receiver
- Look for an export file on Ambassador backup site
- Manually enter information

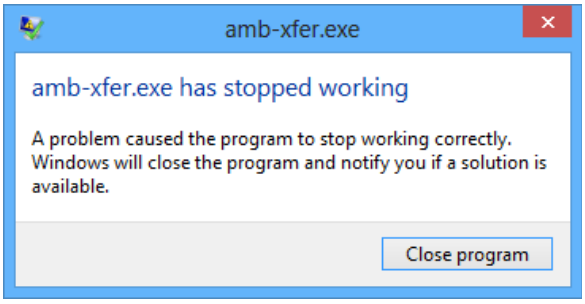
NOTE
For a new installation of the AMR-100 receiver and a new installation of the Amb-OS User Interface, all settings will have to be manually entered.

The general options:

- Help: Opens the Amb-OS User Interface installation section in the help manual.
- Cancel: This terminates the installation program. The Amb-OS user Interface cannot transfer files until the initial settings have been entered.

WARNING
Canceling the "Initial startup" prevents the Amb-OS User Interface from running and programs cannot be transferred or played.

Canceling the startup process may produce an error that the Amb-OS User Interface has stopped working. Click on "Close Program" to close the installation program.



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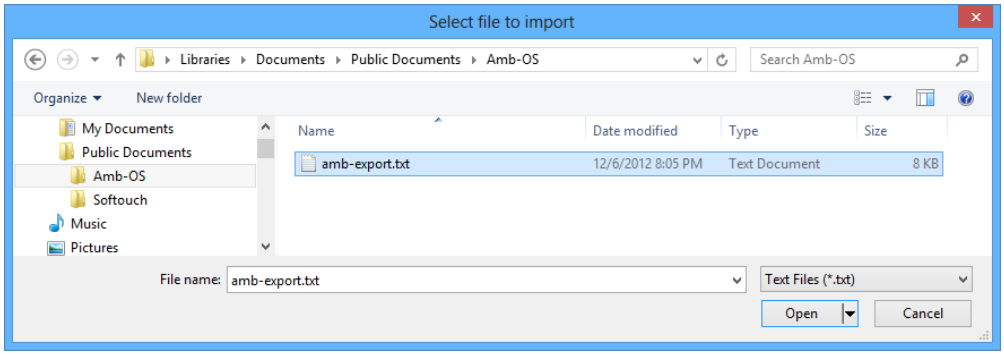
Browse for an export file on my disk

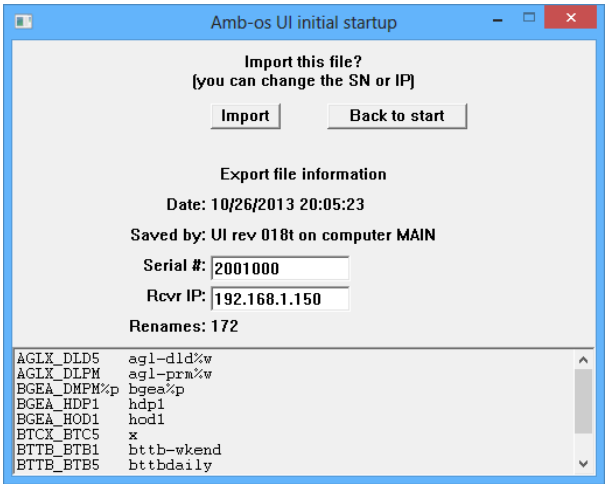
If this is a first time installation for the Amb-OS User Interface and the AMR100, a back up file will not exist on the AMR100. If an export was done with a previous receiver, a file may exist on a computer to import. A backup file is created by using the Export system info under the Tools menu.

Clicking on "Browse for an export file on my disk" opens a dialog box to the users Documents folder. If the computer has new installation, the export file may be on another computer on the network. If no export file exists on the computer or the network, a backup file may exist on the receiver or the Amb-OS FTP site. If not, the settings will have to be set manually.

Navigate to the directory with the backup file, select the desired backup file and click on Open.

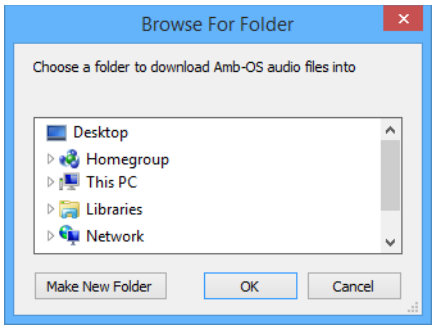


After opening the backup file, the file rename patterns will be shown. After verifying the data in the file, click on "Import," otherwise click on Back to start to select a different file.



If no destination directory was specified in the imported settings, a local directory will open to allow the selection of the destination directory. The dialog at startup is the same as the directory selection at installation.

Select the destination directory then click on "Import" to start the Amb-OS User Interface.



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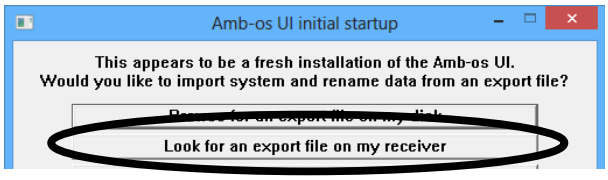
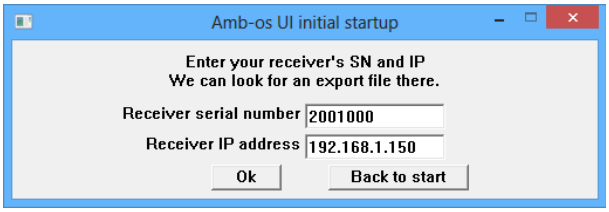
Look for an export file on my receiver

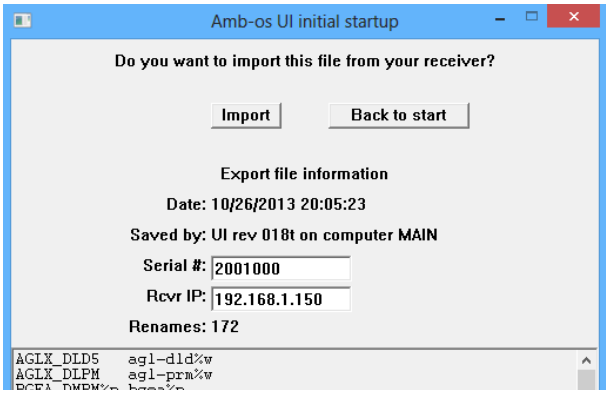


The Amb-OS User Interface automatically creates a backup file on the AMR-100 so, unless this is a first time installation for both the Amb-OS User Interface and the AMR-100, a backup file should exist on the AMR-100.

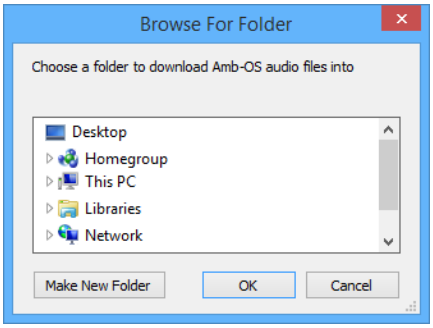
Click on the "Look for an export file on my receiver" to open a dialog box to enter the AMR-100's serial number and IP address.



WARNING
If the wrong IP address is entered it could take several minutes for the error dialog box to appear.



After opening the backup file, the file rename patterns will be shown. Verify the data in the file and click on "Import." If the file does not have the correct information, either search for a file on a computer or get the file from the Amb-OS FTP site. Click on "Back to start" to select a different source.

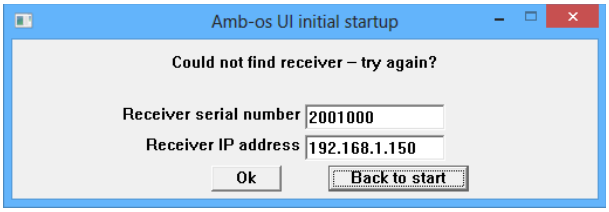


If no download directory or destination directory was specified in the imported settings, a local directory will open to allow the selection of the destination directory. The dialog at startup is the same as the directory selection at installation.

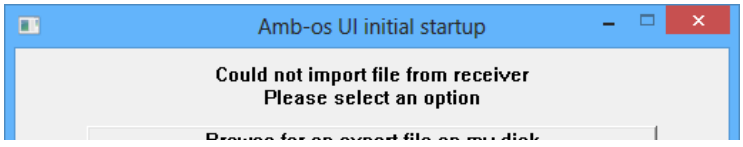
Select the destination directory, then click on "Import" to start the Amb-OS User Interface.

File Import from Receiver Error Messages

If the wrong AMR-100 serial number or IP address is used, the Amb-OS User Interface will return an error dialog box that the receiver could not be found.



If the receiver is new and the export file does not exist, the Amb-OS User will return to the Initial Startup window with a message saying it could not import the file.



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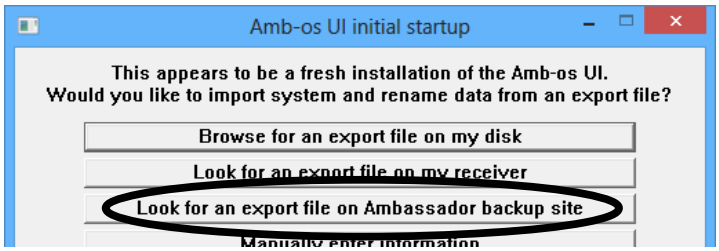
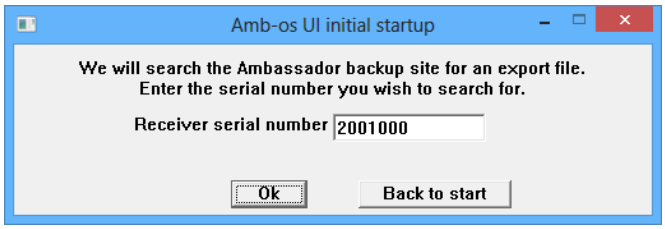
Import a backup file on Ambassador's FTP site

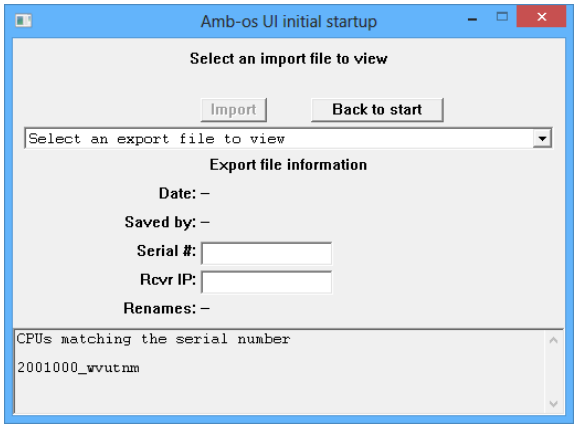
If the AMR-100 has been replaced, use the serial number of the old AMR-100. If the replacement AMR-100 was in another site, a backup file will exist on the Amb-OS FTP site, but the file will not have the settings for the current application.

Click on the "Look for an export file on Ambassador backup site," to open the dialog box to enter the AMR-100 serial number. Enter the serial number of the receiver.

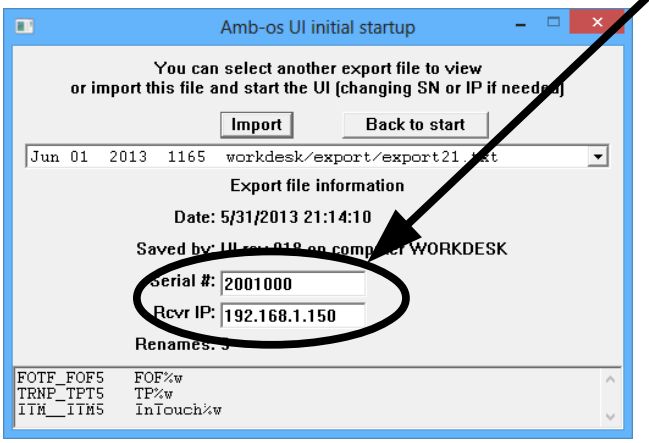


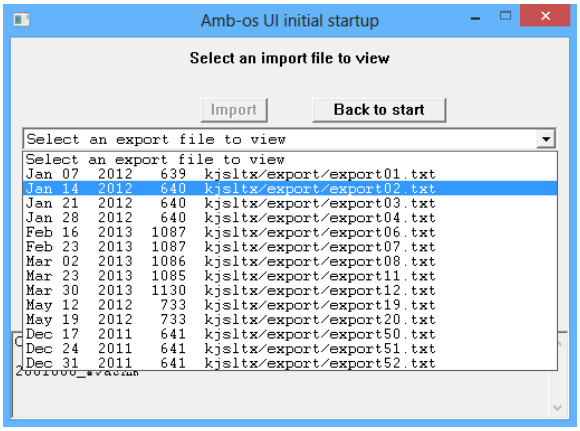


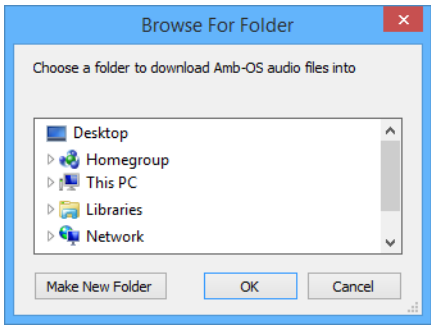
If the Amb-OS User Interface has been installed for an existing receiver, a window will open asking to select a file. The Amb-OS User Interface does periodic backups to the Amb-OS FTP site. Click on the down arrow on the right to list the available files. Highlight the desired file. Normally, that would be the most recent file.



If the AMR-100 has been replaced, after selecting the desired import file, change the AMR-100 serial number and IP address to match the specifications of the current receiver. This puts the correct information in the System information.







If no download directory or destination directory was specified in the imported settings, a local directory will open to allow the selection of the destination directory. The dialog at startup is the same as the directory selection at installation.

Select the destination directory, then click on "Import" to start the Amb-OS User Interface.

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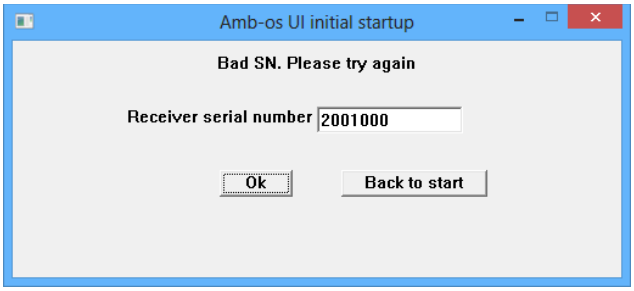
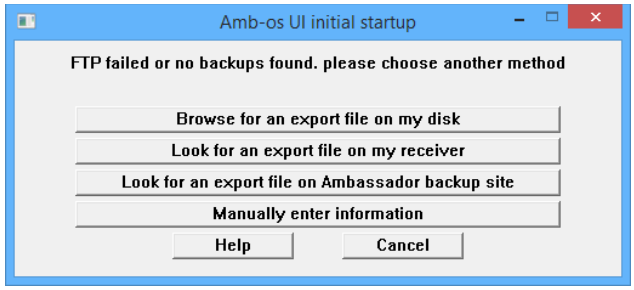
FTP Import Errors



If a bad serial number is entered, the Amb-OS User Interface returns an error box reporting the serial number was bad. If the receiver was never installed before, no backup file will exist.

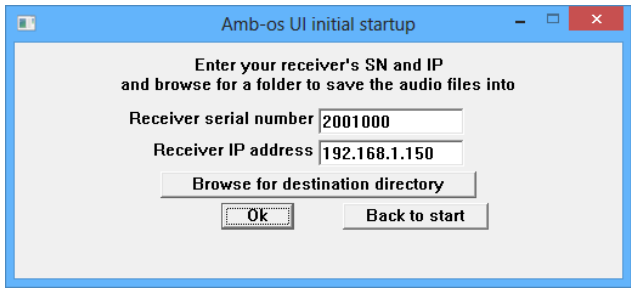
If no download directory or destination directory was specified in the imported settings, a local directory will open to allow the selection of the destination directory. The dialog at startup is the same as the directory selection at installation.

Select the destination directory, then click on Import to start the Amb-OS User Interface.

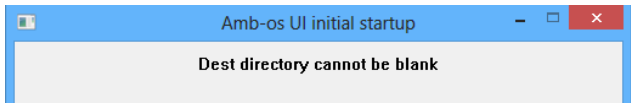


Manually enter information

If no backup file (local or remote) exits or to enter all new settings, select the "Manually enter information" button. A dialog box opens to enter the AMR-100's serial number and IP address and a destination directory. The destination directory has to be selected or an error will come up in the dialog box.



The dialog information remains unchanged if no destination directory was selected so simply select the "Browse for destination directory" button to select the destination directory.

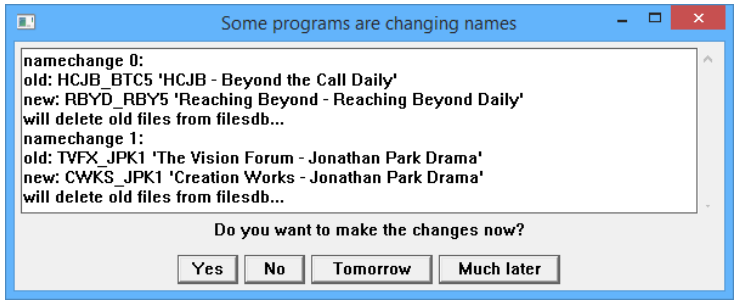


After selecting the destination directory the Amb-OS User Interface will open. All the file transfers or playlists will have be created, because no settings were imported.

Program Name Changes

When ministries change program names, the Amb-OS User Interface will automatically change the listing in the "Rename files" window, but leave the local pattern unchanged. The Amb-OS User Interface opens a window with a summary of the changes and the option to accept or postpone the changes.

Yes: Makes the changes immediately.
No: Ignores the changes.
Tomorrow: Will make the changes the next day.
Much later: Makes the changes at a later time.



Programs can also be checked at any time with the "Recheck name changes" in the "Support" menu.

WARNING
If the the program names are not changed, the program will not be transferred when the programs arrive with the new name.

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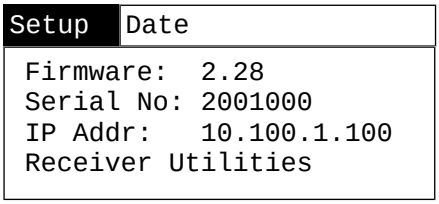
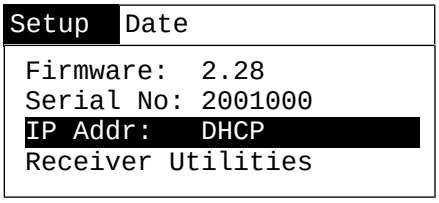
Retrieving the AMR-100 Settings

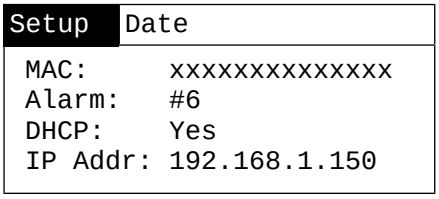
Press <ENTER> on the front panel of the AMR-100 to display the serial number and IP address. The “Serial No:” and “IP Addr:” of the local AMR-100 will be different from the example.

A static IP address will be displayed; however, if DHCP was used to set the IP address, press the <DOWN Arrow> until the “IP Addr: DHCP” line is highlighted. Press <ENTER> to display the IP address.

Record these numbers to verify or enter them into the receiver information dialog box.







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File Transfer Methods

The Amb-OS User Interface transfers programs immediately after being received (miscellaneous transfers) or at a scheduled time and day (timed transfers). Miscellaneous transfers are programs with no time in the "Xfer time [day]" column in the "Rename files" window. The "Enable misc transfers" box has to be checked or programs without a timed transfer have to be done manually.

Miscellaneous Transfers

Miscellaneous transfers automatically transfers a program as soon as it arrives. This option works if using a unique program name, because new programs will not overwrite the previous program. When using the same program name every day a transferred program could overwrite an existing program before it airs. For example, if using "IFL-Daily" for all programs and the new program arrives at 8:00 am and the program airs at 9:00 am, that program could be replaced when the new program arrives. By using a transfer time after the program finishes airing (9:30 am or later) avoids this problem.

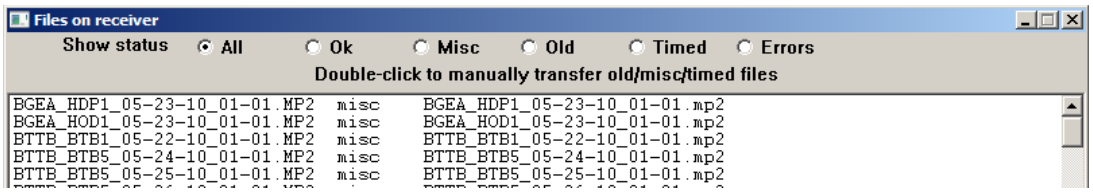
Automatic transfers can be enabled or disabled with "Enable misc transfers" box. Without checking the "Enable misc transfers" box, programs will not be listed in the "Transfer queue" window and have to be transferred manually through the files/transfer window. Checking the "Enable misc transfers" box lists programs in the "Transfer queue" window and automatically transfers the programs after being received.

Timed Transfers

Timed transfers work well when using the same name every day for a program, but it can be used for all program transfers. The new program will only be transferred at the time specified in the "Xfer time [day]" column in the "Rename files" window. Timed transfers prevent a new program from overwriting the current day's program if the transfer time is after the current program airs. If a program does not arrive until after the time in the "Xfer time [day]" column, it will transfer immediately after being received unless it arrives 24 hours after the scheduled transfer time.

Manual Transfers

Without a time specified in the "Xfer time [day]" column in the "Rename files" window and without the "Enable misc transfers" box checked, a program will have to be transferred manually. To do a manual transfer, open the "Files/transfer" window and double click on the program to transfer.



Manual program transfers retain the name specified in the rename pattern and applies any changes to the program as specified in the "System info" section ("Output format," "Output channels," "File output extension" or any Cart Chunk options).

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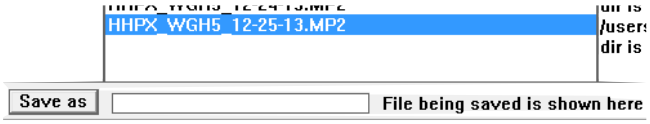
Manual FTP Transfers

In the "Manage Sites" window:

- Log in to a site, navigate to the directory
- Click on the program
- Click on "Save as" to download it.



This method will not change the program's name with files rename or convert it to a different format.

In the Status Window:

Option 1: Click on the date that has the missed program.
Option 2: Click on the box of the missed program.
Option 3: Refresh a site with the with downloads box checked. This will transfer all programs that meet or have missed their transfer times.

Do not use option 3 to transfer only one program.

Day Offset

The day offset for program transfers and for playlists are different due to the hardware requirements of the AMR-100 receiver.

Transfer Day Offset

Use a ***negative*** number to prefeed or get a program before the scheduled air date and a positive number to day the transfer after the air date.

Example – air date 05-14-14:
-1, the file will be transferred on 05-13-14
0, the file will be transferred on 05-014-14
1, the file will be transferred on 05-05-09

For a full discussion on entering day offsets for transfers please refer to the "Rename Files" section.

Playlist Day Offset

Use a ***positive*** number to prefeed programs in the playlist and a negative number to delay the transfer after the air date.
Example – air date of 05-14-14
1 or +1, the file will be played on 05-13-14
0, the file will be played on 05-14-14
-1, the file will be played on 05-15-14

For a full discussion on the entering day offsets for the playlist, please refer to the "Playlist Editor" section.

After 12 PM (noon) Rule

In "Rename files" box under "Xfer time [day]," the Amb-OS User Interface transfers the same day's program if scheduled before 12 PM (noon) and transfers the next day's program after 12:00 PM (noon) if without a day offset used.

09:00 will transfer the program for 02-05-14 on 02-05-14
13:00 will transfer the program for 02-06-14 on 02-05-14

If any day offset is put in the "Xfer time [day]" box, this rule is ignored.

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Program Names

MMMM_PPP#_MM-DD-YY_PN-TP.MP2
MMMM = Ministry Name
PPP# = Program Name
MM-DD-YY = Program air date
PN-TP = part number (PN) of total parts (TP)

All the program names (PPP#) end with a number. That number indicates how many times the program airs in a week.
5 = 5 times a week – typically M-F. If so, the date of the program will be a week day.
1 = 1 time a week – typically a weekend. If so, the date of the program will be a Saturday or Sunday.

The parts are described by the part number (PN) of the program and the total number of parts (TP). Thus 01-01 means this is the only part of a one part program. 02-03 means the file is the second part of a three part program.

Examples of file names:

FOTF_FOF5_06-13-14_01-01.MP2
FOTF = Focus on the Family
FOF5 = Focus on the Family daily program
06-13-14 = Program's air date is June 13, 2014
01-01 = 1 part program, this is part 1 of 1 part.

LWFM_LWF5_06-12-14_01-03.MP2
LWFM = Love Worth Finding Ministries
LWF5 = Love Worth Finding daily program
05-06-09 = Program's air date is June 12, 2014
01-03 = 3 part program, this is part 1 of 3 parts.

IFLM_PAT1_06-14-14_01-03.MP2
IFLM = Insight for Living Ministries
PAT1 = Paws and Tales Weekend
06-14-14 = Program's air date is June 14, 2014
01-03 = 3 part program, this is part 1 of 3 parts.

Program Specifications

All files on the Amb-OS system are MP2 format, 48K sample rate and normalized to -6 dBfs.

Broadcast Wave Format

The BWF format uses an MP2 encoding format with a WAV header and WAV extension. The BWF program has the bext, mext, and fmt information in the header.

To create BWF compatible programs:
- Leave the program format as MP2
- Use the "Insert fmt chunk in mp2" to insert the header information
- Force the program extension to WAV with "Special file extension"

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Activity Window Messages

began monitoring: The Amb-OS User Interface began monitoring files on the AMR-100.
comb: A multiple part file was combined into one file.
ERR: An error happened when either transferring a file or during the "MP2 Verify." The error follows the filename. Three attempts are made to transfer or verify; therefore, if less than three errors are reported for the same file, the transfer was successful.
fwatch: Filewatch from the AMR-100. The Amb-OS User Interface receives a message from the AMR-100 when a new file has been successfully received.
rcvd: A file was successfully received by the AMR-100.
rcvg: A file is being received by the AMR-100.
refresh holding for fwatch: A refresh is scheduled, but it is waiting for the results from the *fwatch*.
repl: A file was resent to the AMR-100 and it replaced an existing file within the 24 hour window for a daily program and seven days for a weekly program.
REPL: A replacement file has been queued.
temp cleanup: The temporary directory has been cleaned to avoid transfer errors.
total refresh: The user executed a "Total refresh" from the tools menu.
xfer: A file was successfully transferred from the receiver to the destination directory.

AMR Receiver Models

AMR-100

The AMR-100 has an RF section to receive programs from the Amb-OS satellite feed. It can also receive programs from the Internet with a LAN connection and access to the Internet on the network.

AMR-100I

The AMR-100I does not have a RF section and uses the Internet to receive programs.

Multiple Amb-OS User Interface Instances

Different computers can run the Amb-OS User Interface to control the same receiver, but the computers cannot have the same temporary and destination directory, because program conflicts would happen when transferring the same program.

Keeping default temporary directory on the local computer would not cause a conflict in that directory. If the same temporary directory is used on the same computers using the same transfer times, when the Amb-OS User Interface transfers a program, both computers would try to write the same program to the same directory and cause file write issues preventing the program from transferring.

The same thing would happen if the destination directory was the same on different computers. While tempting to put programs in the same directory when transferring, that can cause transfers to fail or programs to get corrupted. Use different destination directories for each computer running the Amb-OS User Interface. With a different destination directory, copy the programs from the secondary destination directory to the primary destination directory.

To change the backup computer to the main computer, change the destination directory of the Amb-OS User Interface on the desired computer to main destination directory location and then change the other computer to the backup destination directory.

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Amb-OS Program Listing

Updated 10/07/2009

To get the most accurate information goto: http://www.focussat.net/ambos/programs.html

When several versions of a program (eg COMM NC Border etc) exit, the program received on the AMR-100 will have same name. Only one version will be delivered to the AMR-100.

The **Queued** column is the time (eastern) the program gets queued for satellite delivery and the number of days before the air date the program is queued or scheduled for delivery. Programs get sent sequentially and one at time. If multiple programs get queued at the same time or a previous program did finish transmitting, a program may arrive later than the queued time. Look at the "Activity log" window to see what time a file arrived on your receiver so you know when it can be transferred or played.

WARNING

This table was accurate at the time of publication. Please verify the correct information on the Amb-OS web site. http://www.focussat.net/ambos/programs.html

Abbreviations	
BORD, BORDER	for Canadian border (Canadian contact info)
C/NC/B	for use as commercial, NC, or border
CAN, CANA	Canadian version
CM, COMM	commercial version
NC, NCOM	non-commercial version
SF	short feature
SO	state-specific announcements - handled internally
(st)	stereo

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Amb-OS program listing table

06/23/14

Amb-OS Desig	Program Name	Runtime	Ministry	Queued	Air days
AGLX_DLD5	Daily Light for Daily Living Daily	01:00	Angel Ministries	18:30 5	mon-fri
AGLX_LIL1	Living in the Light (Weekly + promo)	24:55	Angel Ministries	08:00 6	sun
AGLX_LL3P	Living in the Light (Weekly + promo)	00:30	Angel Ministries	08:00 6	sun
AIGM_AKH5	Answers with Ken Ham	01:00	Answers in Genesis	18:59 3	mon-fri
APRT_TPS5	Public Square Daily (2:00)	02:00	Amer. Policy Roundtable	21:00 3	mon-fri
APRT_PSS1	Public Square Short Weekend (4:30)	04:30	Amer. Policy Roundtable	16:01 2	sat
APRT_TPS1_04pt	Public Square Weekend	47:00	Amer. Policy Roundtable	16:00 2	sat
APRT_TPP1	Public Square Weekend Promo	01:00	Amer. Policy Roundtable	16:00 4	sat
ASLS_A6L5	A 60 Second Look At Sports (1:00)	00:55	A Second Look at Sports	11:00 3	7 days
ASLS_SLS1	A Second Look At Sports (28:00)	28:00	A Second Look at Sports	14:00 2	sat
ASLS_ASLP	A Second Look At Sports PROMO	00:30	A Second Look at Sports	11:00 6	sat
BDMX_INM5	BDM Indiana News Minute	01:00	Bob Ditmer Media	22:00 1	mon-fri
BDMX_JCU5	BDM MO Jeff City Update	01:00	Bob Ditmer Media	22:00 1	mon-fri
BDMX_WFM5	BDM Wisconsin Family Minute	01:00	Bob Ditmer Media	22:00 1	mon-fri
BGEA_DMP5	Decision Minute	01:00	Billy Graham Evangelical Assn	16:00 5	mon-fri
BGEA_DMP5	Decision Minute CANADA	01:00	Billy Graham Evangelical Assn	16:00 5	mon-fri
BGEA_MID5	Minuto Decisivo (BGEA Spanish 1:00)	01:00	Billy Graham Evangelical Assn	13:00 5	mon-fri
BGEA_MOM1	Momentos de Decision (BGEA Spanish 14:30)	14:30	Billy Graham Evangelical Assn	13:00 6	sat
BGEA_MOMP	Momentos de Decision PROMO (:30)	00:30	Billy Graham Evangelical Assn	13:00 6	sat
BGEA_PWG1	Peace with God	25:50	Billy Graham Evangelical Assn	16:00 4	sun
BGEA_PGP1	Peace with God Promo	00:30	Billy Graham Evangelical Assn	16:00 6	sun
BRNK_BFA1	Brinkman Adventures (Weekly 26:00) + Promo	26:00	Brinkman Family Ministry	08:00 6	sat
BRNK_BFAP	Brinkman Adventures (Weekly 26:00) + Promo	00:30	Brinkman Family Ministry	08:00 6	sat
BTTB_BTB5	Back to the Bible Daily BORDER (28:00)	28:00	Back to the Bible	07:10 3	mon-fri
BTTB_BTB5	Back to the Bible Daily C/NC	25:00	Back to the Bible	06:00 3	mon-fri
BTTB_BTB5	Back to the Bible Daily CANADA	28:00	Back to the Bible	06:10 3	mon-fri
BTTB_BTB1	Back to the Bible Weekend	25:00	Back to the Bible	06:00 3	sat
BTTB_BTB1	Back to the Bible Weekend CANADA	25:00	Back to the Bible	06:00 3	sat
BTTB_BTPW	Back to the Bible Weekly Overview Promo	00:30	Back to the Bible	04:00 3	mon
BTTB_TBM5	Bible Minute (stereo)	01:00	Back to the Bible	11:00 3	mon-fri
BTTB_TBM5	Bible Minute (stereo) CANADA	01:00	Back to the Bible	11:00 3	mon-fri
BTTB_LBD5	La Biblia Dice (BTTB) Daily	14:30	Back to the Bible	07:00 3	mon-fri
BTTB_LBD1	La Biblia Dice (BTTB) Weekend	14:30	Back to the Bible	07:00 3	sat
BTTB_LAG5	Laugh Again Daily CANADA (4:30)	04:30	Back to the Bible	06:00 3	mon-fri
BTTB_NRL1	Not Religion Weekly	00:30	Back to the Bible	11:00 3	fri

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Amb-OS Desig	Program Name	Runtime	Ministry	Queued	Air days
CFCX_MML5	My MoneyLife Daily SF	02:00	Crown Financial	20:20 5	mon-fri
COMX_SWC5	Speak up with Compassion Daily	01:00	Compassion Intl	18:30 5	mon-fri
CWKS_JPK1	Jonathan Park Radio Drama	25:55	Creation Works	00:30 3	sat
FAMX_FLT5	FamilyLife Daily Broadcast	24:55	Family Life Today	12:00 1	mon-fri
FAMX_FLP5	FamilyLife Daily PROMO	00:30	Family Life Today	18:30 3	mon-fri
FAMX_FLPW	FamilyLife Daily Weekly Overview Promo	00:30	Family Life Today	18:30 4	mon
FAMX_FLT1	FamilyLife This Week Weekend	28:00	Family Life Today	16:00 3	sat
FAMX_FLP1	FamilyLife This Week Weekend PROMO	00:30	Family Life Today	16:00 6	sat
FAMX_RFL5	Real Family Life Daily	01:30	Family Life Today	18:30 5	mon-fri
FAMX_VFH5	Vida en Familia Hoy (FAM Spanish)	14:30	Family Life Today	12:00 3	mon-fri
FOTF_OD1S_03pt	Adventures in Odyssey Christmas	25:30	Focus on the Family	15:56 0	irregular
FOTF_OD2S_03pt	Adventures in Odyssey Christmas	25:30	Focus on the Family	15:56 0	irregular
FOTF_OD3S_03pt	Adventures in Odyssey Christmas	25:30	Focus on the Family	15:56 0	irregular
FOTF_OD4S_03pt	Adventures in Odyssey Christmas	25:30	Focus on the Family	15:56 0	irregular
FOTF_OD5S_03pt	Adventures in Odyssey Christmas	25:30	Focus on the Family	15:56 0	irregular
FOTF_OD6S_03pt	Adventures in Odyssey Christmas	25:30	Focus on the Family	15:56 0	irregular
FOTF_ODY5	Adventures in Odyssey Daily (st)	25:30	Focus on the Family	01:01 3	mon-fri
FOTF_ODY5_03pt	Adventures in Odyssey Daily (st) (3 Parts)	25:30	Focus on the Family	01:10 3	mon-fri
FOTF_ODY5	Adventures in Odyssey Daily (st) CANADA	25:30	Focus on the Family	01:01 3	mon-fri
FOTF_ODP5	Adventures in Odyssey Daily Promo	00:30	Focus on the Family	01:00 3	mon-fri
FOTF_ODY1	Adventures in Odyssey Weekend (st)	25:30	Focus on the Family	05:00 3	sat
FOTF_ODY1_03pt	Adventures in Odyssey Weekend (st) (3 Parts)	25:30	Focus on the Family	05:00 3	sat
FOTF_ODY1	Adventures in Odyssey Weekend (st) CANADA	25:30	Focus on the Family	05:00 3	sat
FOTF_ODP1	Adventures in Odyssey Weekend Promo	00:30	Focus on the Family	05:00 5	sat
FOTF_AEO1_03pt	Aventuras en Odesia (Odyssey Spanish)	25:30	Focus on the Family	00:15 4	sat
FOTF_AOP1	Aventuras en Odesia promo (Odyssey Spanish)	00:13	Focus on the Family	00:14 4	sat
FOTF_CC1S_06pt	Christmas Carol (2 episodes ST)	00:00	Focus on the Family	16:00 0	irregular
FOTF_CC2S_05pt	Christmas Carol (2 episodes ST)	00:00	Focus on the Family	16:00 0	irregular
FOTF_CC1P	Christmas Carol (2 episodes ST)	00:00	Focus on the Family	13:50 76	irregular
FOTF_CL25	CitizenLink 2min	02:00	Focus on the Family	00:00 0	mon-fri
FOTF_CL55	CitizenLink 4.5min	04:30	Focus on the Family	00:00 0	mon-fri
FOTF_CLP5	CitizenLink promo	00:15	Focus on the Family	00:00 0	mon-fri
FOTF_PISW	Conectados (Plugged in Spanish)	01:00	Focus on the Family	18:58 1	fri
FOTF_ECM5	Enfoque 90-sec comentario	01:30	Focus on the Family	06:33 3	mon-fri
FOTF_EAF5	Enfoque a la Familia	14:30	Focus on the Family	06:30 3	mon-fri
FOTF_ERM5_05pt	Everyday Relationships Mustcarry CM	01:00	Focus on the Family	23:46 4	mon-fri
FOTF_ERM5_05pt	Everyday Relationships Mustcarry NC	01:00	Focus on the Family	23:48 4	mon-fri
FOTF_ERP5	Everyday Relationships Promo	00:30	Focus on the Family	17:00 3	mon-fri

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Amb-OS Desig	Program Name	Runtime	Ministry	Queued	Air days
FOTF_GEPW_10pt	Focus Generic Weekly Promos	00:00	Focus on the Family	16:00 3	mon
FOTF_HSPS_13pt	Focus Host Greetings	01:00	Focus on the Family	15:56 0	irregular
FOTF_MAN5	Focus Mandarin Program	28:00	Focus on the Family	08:00 5	irregular
FOTF_FOF5	Focus on the Family Daily C3 CM	28:30	Focus on the Family	23:01 1	mon-fri
FOTF_FOF5	Focus on the Family Daily C3 NC	28:30	Focus on the Family	23:01 1	mon-fri
FOTF_FOF5	Focus on the Family Daily CM	28:30	Focus on the Family	23:01 1	mon-fri
FOTF_FOF5	Focus on the Family Daily Canada	28:30	Focus on the Family	23:05 1	mon-fri
FOTF_FOF5	Focus on the Family Daily Canada CM	28:30	Focus on the Family	23:05 1	mon-fri
FOTF_FOF5	Focus on the Family Daily Canada NC	28:30	Focus on the Family	23:05 1	mon-fri
FOTF_FOP5	Focus on the Family Daily Canada Promo	00:30	Focus on the Family	23:00 2	mon-fri
FOTF_FOF5	Focus on the Family Daily NC	28:30	Focus on the Family	23:01 1	mon-fri
FOTF_FOP5	Focus on the Family Daily Promo	00:30	Focus on the Family	23:00 2	mon-fri
FOTF_DFM5	Focus on the Family Minute	01:00	Focus on the Family	07:00 3	mon-fri
FOTF_DFM5	Focus on the Family Minute CANADA	01:00	Focus on the Family	07:00 3	mon-fri
FOTF_DV1W	Plugged In DVD Review 1 min (st)	01:00	Focus on the Family	16:00 1	tue
FOTF_DV2W	Plugged In DVD Review 2 min (st)	02:00	Focus on the Family	16:00 1	tue
FOTF_PI1W	Plugged In Movie Review 1 min (st)	01:00	Focus on the Family	16:00 1	fri
FOTF_PI2W	Plugged In Movie Review 2 min (st)	02:00	Focus on the Family	16:00 1	fri
FOTF_RTH1_03pt	Radio Theater (st) + Promo CANADA	28:00	Focus on the Family	02:40 5	sat
FOTF_RTP1	Radio Theater (st) + Promo CANADA	00:30	Focus on the Family	02:47 5	sat
FOTF_RTH1_03pt	Radio Theatre (st) + Promo	28:00	Focus on the Family	02:40 5	sat
FOTF_RTP1	Radio Theatre (st) + Promo	00:30	Focus on the Family	02:47 5	sat
FOTF_RTCI_06pt	Radio Theatre Christmas by Injunction	29:35	Focus on the Family	16:03 0	irregular
FOTF_W301_03pt	Weekend 30min Magazine (3 parts)	26:00	Focus on the Family	01:00 4	sat
FOTF_FOP1	Weekend Magazine CANA Promo	00:30	Focus on the Family	11:10 4	sat
FOTF_FOF1	Weekend Magazine CM	55:00	Focus on the Family	12:30 5	sat
FOTF_FOF1_04pt	Weekend Magazine CM (4 Parts)	55:00	Focus on the Family	12:40 5	sat
FOTF_FOF1	Weekend Magazine Canada CM	55:00	Focus on the Family	11:11 3	sat
FOTF_W451_04pt	Weekend Magazine GenMkt (4 Parts)	45:00	Focus on the Family	12:30 5	sat
FOTF_FOF1	Weekend Magazine NC	55:00	Focus on the Family	12:00 5	sat
FOTF_FOF1_04pt	Weekend Magazine NC (4 Parts)	55:00	Focus on the Family	12:10 5	sat
FOTF_FOP1	Weekend Magazine Promo	00:30	Focus on the Family	12:00 5	sat
FPAX_LT15	Listen to the Bible 1 minute Daily	01:00	Fellowship for Performing Arts	18:30 5	mon-fri
FPAX_LT35	Listen to the Bible 3 minute Daily	03:00	Fellowship for Performing Arts	18:30 5	mon-fri
FPRG_TWS5	The Word (stereo)	04:30	Family Programs	01:00 3	mon-fri
FPRG_WKD1	We Kids (stereo)	28:30	Family Programs	18:16 6	sat
FPRG_WKP1	We Kids Promo (stereo)	00:30	Family Programs	18:15 6	sat
FRCA_WWD5	Tony Perkins Minute	01:00	Family Research Council	14:10 1	mon-fri

Amb-OS Desig	Program Name	Runtime	Ministry	Queued	Air days
FRCA_WWW1	Washington Watch Weekend	28:00	Family Research Council	10:30 1	sat
GMCW_SBG5	Seeing Beyond with Gail McWilliams (Daily 2:00)	02:00	Gail McWilliams	12:00 7	mon-fri
GTYX_BQA5	GTY Bible Q&A	02:00	Grace to You	10:30 3	mon-fri
GTYX_GTY5	Grace to You Daily CM	28:55	Grace to You	18:30 3	mon-fri
GTYX_GTY5	Grace to You Daily NC	28:55	Grace to You	18:30 3	mon-fri
GTYX_GTP5	Grace to You Daily PROMO	00:30	Grace to You	18:30 6	mon-fri
GTYX_GTY1	Grace to You Weekend	23:55	Grace to You	16:00 3	sat
GTYX_GTP1	Grace to You Weekend PROMO	00:30	Grace to You	16:00 4	sat
GTYX_GTPW	Grace to You Weekly Overview PROMO	00:30	Grace to You	18:30 4	mon
GTYX_POG5	Portraits of Grace Daily	01:00	Grace to You	18:30 5	mon-fri
HARV_HAC5	A Harvest America Moment (CCM)	01:00	Harvest Ministries	16:00 3	mon-fri
HARV_HAI5	A Harvest America Moment (INSP)	01:00	Harvest Ministries	16:00 3	mon-fri
HARV_ANB5	A New Beginning-CM	25:00	Harvest Ministries	05:00 3	mon-fri
HARV_ANB5	A New Beginning-NC	25:00	Harvest Ministries	05:10 3	mon-fri
HARV_ANB1	A New Beginning-Weekend	25:00	Harvest Ministries	04:00 3	sat
HARV_ANPW	A New Beginning-Weekly Promo	00:30	Harvest Ministries	04:00 3	mon
HARV_KNG5	Knowing God from Harvest America	02:00	Harvest Ministries	16:00 3	mon-fri
HHPX_KIS5	Keep it Simple Daily	01:00	Harvest House Publishers	18:30 5	mon-fri
HHPX_WGH5	Woman after God's own Heart Daily	01:00	Harvest House Publishers	20:30 3	mon-fri
HOPE_HOL5	Hope Out Loud (1:00)	01:00	The Barrick Family	08:00 3	mon-fri
HRMX_PRO5	Haven Daily PROMO	00:30	Haven Ministries	21:40 1	mon-fri
HRMX_PRO5	Haven Daily PROMO CANADA	00:30	Haven Ministries	21:40 1	mon-fri
HRMX_NOW5	Haven Now	01:00	Haven Ministries	21:45 1	mon-fri
HRMX_NOW5	Haven Now CANADA	01:00	Haven Ministries	21:45 1	mon-fri
HRMX_HRM5	Haven Today	26:00	Haven Ministries	21:50 1	mon-fri
HRMX_HRM5	Haven Today CANADA	28:00	Haven Ministries	22:00 1	mon-fri
HRMX_HRM1	Haven Weekend	26:00	Haven Ministries	21:00 2	sat
HRMX_HRM1	Haven Weekend CANADA	26:00	Haven Ministries	21:00 2	sat
ICRM_BTG5	Back to Genesis Daily	01:00	Institute for Creation Research	18:31 3	mon-fri
ICRM_BTGW	Back to Genesis Weekly Promo	00:30	Institute for Creation Research	18:31 5	sat
ICRM_SSS1	Science, Scripture & Salvation Weekly	14:15	Institute for Creation Research	18:57 4	sat
ICRM_SSSW	Science, Scripture & Salvation Weekly Promo	00:30	Institute for Creation Research	18:31 0	sun
IFLM_SPCP_02pt	IFL Holiday Special PROMO	00:30	Insight for Living	06:00 2	irregular
IFLM_SPC1	IFL Holiday Specials	00:00	Insight for Living	06:00 2	irregular
IFLM_SPC1_03pt	IFL Holiday Specials	53:36	Insight for Living	06:00 2	irregular
IFLM_LIF5	IFL LifeTrac CANADA - Daily	05:00	Insight for Living	08:00 5	7 days
IFLM_IFL5	Insight for Living Daily BORD	27:30	Insight for Living	10:15 3	mon-fri
IFLM_IFL5	Insight for Living Daily C/NC	27:30	Insight for Living	10:00 3	mon-fri

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Amb-OS Desig	Program Name	Runtime	Ministry	Queued	Air days
IFLM_IFL5	Insight for Living Daily CANADA	28:30	Insight for Living	10:00 3	mon-fri
IFLM_IFP5	Insight for Living Daily Promo	00:30	Insight for Living	09:15 3	mon-fri
IFLM_ISF5	Insight for Living SF (Insights)	01:00	Insight for Living	09:00 3	mon-fri
IFLM_ISF5	Insight for Living SF (Insights) CANADA	01:00	Insight for Living	09:00 3	mon-fri
IFLM_IFL1	Insight for Living Weekend BORD	27:30	Insight for Living	10:15 5	sat
IFLM_IFL1	Insight for Living Weekend C/NC	27:30	Insight for Living	10:00 3	sat
IFLM_IFL1	Insight for Living Weekend CANADA	28:30	Insight for Living	10:00 3	sat
IFLM_IFP1	Insight for Living Weekend Promo	00:30	Insight for Living	09:00 5	sat
IFLM_IFPW	Insight for Living Weekly Promo	00:30	Insight for Living	09:30 3	mon
IFLM_PAT1	Paws and Tales (Stereo) CANADA	27:30	Insight for Living	06:15 5	sat
IFLM_PTP1	Paws and Tales (Stereo) CANADA Promo	00:30	Insight for Living	06:15 5	sat
IFLM_PAT1	Paws and Tales (stereo) 1 Part + Promo	26:55	Insight for Living	06:15 5	sat
IFLM_PTP1	Paws and Tales (stereo) 1 Part + Promo	00:30	Insight for Living	06:10 5	sat
IFLM_PAT1_03pt	Paws and Tales (stereo) 3 Parts + Promo	26:55	Insight for Living	06:20 5	sat
IFLM_PTP1	Paws and Tales (stereo) 3 Parts + Promo	00:30	Insight for Living	06:30 0	sat
IFLM_VPV5	Vision Para Vivir Daily NC	27:30	Insight for Living	12:30 3	mon-fri
IFLM_VPV1	Vision Para Vivir Weekend	27:30	Insight for Living	13:00 5	sat
IFLM_VIV5	Vivencias Daily Short Feature	01:00	Insight for Living	12:30 3	mon-fri
ITM__ITS5	En Contacto (In Touch) Daily	24:30	In Touch	00:45 3	mon-fri
ITM__GIT5	Get In Touch 1:00 CANADA	01:00	In Touch	01:40 3	mon-fri
ITM__GT95	Get In Touch 1:30 CANADA	01:30	In Touch	01:40 3	mon-fri
ITM__ITM5	In Touch Daily	24:30	In Touch	01:30 3	mon-fri
ITM__ITM5	In Touch Daily CANADA	28:30	In Touch	01:30 3	mon-fri
ITM__MAN5	In Touch MANDARIN	24:30	In Touch	08:00 5	irregular
ITM__ITNW	In Touch Weekly Promo (Coming Series)	00:30	In Touch	01:45 3	mon
ITM__ITPW	In Touch Weekly Promo (Current Series)	00:30	In Touch	01:45 3	mon
ITM__ITGW	In Touch Weekly Promo (Generic)	00:30	In Touch	01:45 3	mon
ITM__IT31	In Touch Wkend 30min	24:30	In Touch	01:40 3	sat
ITM__IT31	In Touch Wkend 30min CANADA	28:30	In Touch	01:40 5	sat
ITM__IT61	In Touch Wkend 60min	57:30	In Touch	01:35 3	sat
ITM__SOM5	Solo un Minuto (Spanish)	01:00	In Touch	13:00 5	mon-fri
JAFX_DID5	Diamonds in the Dust Daily	01:00	Joni and Friends	18:30 5	7 days
JAFX_PSAM_05pt	JAF Disability PSAs (5)	01:00	Joni and Friends	08:00 0	monthly
JAFX_JAF5	Joni and Friends Daily	04:00	Joni and Friends	18:30 5	mon-fri
JAFX_JAPW	Joni and Friends Weekly Overview PROMO	00:30	Joni and Friends	18:30 4	mon
LAMX_ONE5	One Cry Daily (1:00)	01:00	OneCry	08:00 4	mon-fri
LIBC_FCL5	Freedom's Call (1:00)	01:00	Liberty Counsel	16:00 1	mon-fri
LIBC_LDL5	Llamado de Libertad (Spanish)	01:00	Liberty Counsel	16:00 1	mon-fri

Amb-OS Desig	Program Name	Runtime	Ministry	Queued	Air days
LIFX_LIF5	Life Issues Daily	01:00	Life Issues	18:30 1	mon-fri
LIGM_RYM5	Renewing Your Mind Daily (26:25)	26:25	Ligonier Ministries	07:00 3	mon-fri
LIGM_RYMP	Renewing Your Mind Daily Promo (:30)	00:30	Ligonier Ministries	07:00 3	mon-fri
LIGM_RMM5	Renewing Your Mind Minute Daily (1:00)	01:00	Ligonier Ministries	07:00 3	mon-fri
LIGM_RYM1	Renewing Your Mind Weekend (26:25)	26:25	Ligonier Ministries	07:00 3	sat
LIGM_RYP1	Renewing Your Mind Weekend Promo (:30)	00:30	Ligonier Ministries	07:00 6	sat
LIGM_RYWP	Renewing Your Mind Weekly Overview Promo (:30)	00:30	Ligonier Ministries	07:00 3	mon
LWFM_LWS5	El Amor Que Vale (LWF) Daily	25:00	Love Worth Finding	07:00 3	mon-fri
LWFM_LWS1	El Amor Que Vale (LWF) Weekend	25:00	Love Worth Finding	07:05 3	sat
LWFM_LWF5	Love Worth Finding CM	25:05	Love Worth Finding	02:05 3	mon-fri
LWFM_LWF5	Love Worth Finding International	24:00	Love Worth Finding	04:15 3	mon-fri
LWFM_LWF5	Love Worth Finding NC	25:00	Love Worth Finding	03:00 3	mon-fri
LWFM_LWPM_02pt	Love Worth Finding Promos (Monthly)	00:30	Love Worth Finding	07:00 3	monthly
LWFM_LW31	Love Worth Finding Wkend 30min	25:05	Love Worth Finding	00:30 3	sat
LWFM_LWT5	Treasures from the Word (LWF)	01:30	Love Worth Finding	02:30 3	mon-fri
LWOL_LWL5	Life Without Limbs (2:00)	02:00	Life Without Limbs	08:00 3	mon-fri
MBLD_MBR5_07pt	Marriage Builders Daily (55 min.)	21:00	Marriage Builders	20:05 1	mon-fri
MNNX_MN15	Mission Network News 1 minute Daily	01:00	Mission Network	20:20 1	mon-fri
MNNX_MN25	Mission Network News 2 minute Daily	02:00	Mission Network	20:20 1	mon-fri
MNNX_MNN5	Mission Network News 5 minute Daily	04:30	Mission Network	20:20 1	mon-fri
MNNX_SA11	Mission Network News Weekend Saturday 1 minute	01:00	Mission Network	14:30 1	sat
MNNX_SA21	Mission Network News Weekend Saturday 2 minute	02:00	Mission Network	14:30 1	sat
MNNX_SU11	Mission Network News Weekend Sunday 1 minute	01:00	Mission Network	14:30 2	sun
MNNX_SU21	Mission Network News Weekend Sunday 2 minute	02:00	Mission Network	14:30 2	sun
MNNX_MNP5	Mission Network News promo Daily	00:30	Mission Network	20:20 1	mon-fri
MODY_MCH1	Moody Chuch Hour (55:00)	54:30	Moody Church Media	18:00 6	sun
MODY_RWQ5	Running to Win (15:00)	14:29	Moody Church Media	18:00 5	mon-fri
MODY_RWH5	Running to Win (25:00)	25:00	Moody Church Media	18:00 5	mon-fri
MODY_SIN1	Songs in the Night (30:00)	29:30	Moody Church Media	18:00 6	sun
MOFF_CRJ1	Christian Radio Journal Weekly + Promo	26:00	Christian Resource Center	06:00 3	sat
MOFF_CRP1	Christian Radio Journal Weekly + Promo	00:30	Christian Resource Center	06:00 6	sat
MSHX_MSH5	Mercy Minute Daily	01:00	Mercy Ships	18:30 5	mon-fri
NCCX_P951	Psalm 95 Weekly	55:00	National Christian Choir	06:00 5	sun
PFMX_BPT5	BreakPoint Daily	03:55	Prison Fellowship	20:20 1	mon-fri
PFMX_BPT5	BreakPoint Daily Area Specific	03:55	Prison Fellowship	20:20 1	mon-fri
PFMX_BPT5	BreakPoint Daily CM	03:55	Prison Fellowship	20:20 1	mon-fri
PFMX_BPT1	BreakPoint This Week	25:25	Prison Fellowship	14:00 1	sat
PFMX_BPP1	BreakPoint This Week Promo	00:30	Prison Fellowship	20:20 8	sat

Amb-OS Desig	Program Name	Runtime	Ministry	Queued	Air days
PFMX_PNT5	The Point Daily	01:00	Prison Fellowship	20:20 1	mon-fri
PTOV_PTV5	Pathway to Victory	26:00	Pathway to Victory	06:00 3	mon-fri
PTOV_PVP1	Pathway to Victory	00:30	Pathway to Victory	06:00 3	mon
PTTM_PTC5	Parenting Today's Teens Daily CCM (1:00)	01:00	Heartlight Ministries	06:00 3	mon-fri
PTTM_PTI5	Parenting Today's Teens Daily INSP (1:00)	01:00	Heartlight Ministries	06:00 3	mon-fri
PTTM_PTT1	Parenting Today's Teens Weekly (25:00)	25:00	Heartlight Ministries	06:00 2	sat
PTTM_PTP1	Parenting Today's Teens Weekly PROMO	00:28	Heartlight Ministries	14:00 7	sat
PV31_PVB5	Proverbs 31 Daily	01:00	Proverbs 31	16:00 5	mon-fri
RBCM_DTW5	Discover the Word (stereo)	14:30	RBC Ministries	09:12 3	mon-fri
RBCM_DTW5	Discover the Word (stereo) CANADA	14:30	RBC Ministries	09:16 3	mon-fri
RBCM_DTPW	Discover the Word Promo	00:30	RBC Ministries	09:15 3	sun
RBCM_CBR1	La Clase Biblica Radial Sunday	14:30	RBC Ministries	14:00 3	sun
RBCM_NPD7	Nuestro Pan Diario (RBC)	02:30	RBC Ministries	14:05 3	7 days
RBCM_OD25	Our Daily Bread - 2 min (st)	02:00	RBC Ministries	09:10 3	mon-fri
RBCM_OD55	Our Daily Bread - 5 min (st)	04:30	RBC Ministries	09:10 3	7 days
RBCM_SUPP	Sports Spectrum Daily Updates & Promo	01:00	RBC Ministries	20:01 1	irregular
RBCM_SU15	Sports Spectrum Daily Updates & Promo	02:00	RBC Ministries	06:00 0	mon-fri
RBCM_SU25	Sports Spectrum Daily Updates & Promo	02:00	RBC Ministries	15:00 0	mon-fri
RBCM_SP3W	Sports Spectrum Promo 30 sec	00:30	RBC Ministries	11:02 5	sun
RBCM_SP6W	Sports Spectrum Promo 60 sec	01:00	RBC Ministries	11:03 5	sun
RBCM_SSL1	Sports Spectrum Weekend	25:00	RBC Ministries	08:01 5	sat
RBCM_TES5	Tesoros Escondidos	00:59	RBC Ministries	14:10 3	mon-fri
RBCM_WLB1	Words to Live By (stereo) or Promo	29:30	RBC Ministries	09:10 5	sat
RBCM_WLP1	Words to Live By (stereo) or Promo	00:30	RBC Ministries	09:12 6	sat
RBYD_RBY5	Reach Beyond (Daily - Formerly Beyond the Call)	01:00	Reach Beyond	18:30 5	mon-fri
RENW_PLB5	A Principle to Live By Daily (2:00)	02:00	Renewal Radio	08:00 3	mon-fri
RMOX_GGO1	Gods Great Outdoors COMMERCIAL	25:00	God's Great Outdoors	03:00 5	sat
RMOX_GGO1	Gods Great Outdoors NON-COMMERCIAL	25:00	God's Great Outdoors	03:00 5	sat
RMOX_GGOP	Gods Great Outdoors Promo	00:30	God's Great Outdoors	03:00 5	sat
ROHX_ANC5	Aviva Nuestros Corazones (ROH)	28:00	Revive our Hearts	15:00 3	mon-fri
ROHX_ROH5	Revive Our Hearts Daily	24:55	Revive our Hearts	15:00 1	mon-fri
ROHX_ROP5	Revive Our Hearts Daily PROMO	00:30	Revive our Hearts	03:15 3	mon-fri
ROHX_RHPW	Revive Our Hearts Weekly Overview Promo	00:30	Revive our Hearts	03:15 3	mon
ROHX_SHM5	Seeking Him Daily	01:00	Revive our Hearts	18:30 5	mon-fri
ROWX_ROW5	Revival Outside the Walls Daily	01:00	Revival Outside the Walls	12:40 1	mon-fri
RYWX_RY15	Reaching Your World Daily (1 min.)	01:00	Luis Palau Association	18:30 1	mon-fri
RYWX_RYW5	Reaching Your World Daily (2 min.)	02:00	Luis Palau Association	18:30 1	mon-fri
RYWX_RYPW	Reaching Your World weekly PROMO	00:30	Luis Palau Association	18:30 2	mon

Amb-OS Desig	Program Name	Runtime	Ministry	Queued	Air days
RZIM_JST5	Just Thinking Daily	13:30	Ravi Zacharias Ministries	21:00 3	mon-fri
RZIM_JST5	Just Thinking Daily CANADA	13:30	Ravi Zacharias Ministries	21:00 3	mon-fri
RZIM_JAT5	Just a Thought Daily (1:00)	01:00	Ravi Zacharias Ministries	21:00 3	mon-fri
RZIM_LPT1	Let My People Think Weekly	26:00	Ravi Zacharias Ministries	21:00 4	sat
RZIM_LPT1	Let My People Think Weekly CANADA	28:00	Ravi Zacharias Ministries	21:00 4	sat
RZIM_LPP1	Let My People Think Weekly Promo	00:30	Ravi Zacharias Ministries	21:00 7	sat
TFLM_TFL5	Truth For Life Daily (25:00)	25:00	Truth For Life	07:00 3	mon-fri
TFLM_TFL5	Truth For Life Daily CANADA	25:30	Truth For Life	07:00 3	mon-fri
TFLM_TFP5	Truth For Life Daily PROMO	00:30	Truth For Life	07:00 3	mon-fri
TFLM_TFL1	Truth For Life Weekend (25:00)	25:00	Truth For Life	07:00 7	sat
TFLM_TFL1	Truth For Life Weekend CANADA	25:30	Truth For Life	07:00 7	sat
TFLM_TFPW	Truth For Life Weekend Overview PROMO	00:30	Truth For Life	07:00 3	mon
TFLM_TFP1	Truth For Life Weekend PROMO	00:30	Truth For Life	07:00 7	sat
TGPX_TGP5	The Garlow Perspective Daily	01:00	The Garlow Perspective	18:30 5	mon-fri
TGPX_TSPM	The Garlow Perspective Special PROMO	00:30	The Garlow Perspective	18:30 1	monthly
TLRX_TLR5	The Light House Report Daily 1:00	01:00	Campus Crusade	18:30 2	mon-fri
TLRX_TL25	The Light House Report Daily 2:00	02:00	Campus Crusade	18:30 2	mon-fri
TRNP_TMD5	Momento Decisivo Daily	28:30	Turning Point	21:00 4	mon-fri
TRNP_RT65	Route 66	01:00	Turning Point	21:30 3	7 days
TRNP_TPT5	Turning Point Daily	26:00	Turning Point	21:00 4	mon-fri
TRNP_TPT5	Turning Point Daily BORDER	26:00	Turning Point	21:00 4	mon-fri
TRNP_TPT5	Turning Point Daily CANADA	26:00	Turning Point	21:00 4	mon-fri
TRNP_TPP5	Turning Point Daily PROMO	00:30	Turning Point	21:00 4	mon-fri
TRNP_TPP5	Turning Point Daily PROMO BORDER	00:30	Turning Point	21:00 4	mon-fri
TRNP_TPP5	Turning Point Daily PROMO CANADA	00:30	Turning Point	21:00 4	mon-fri
TRNP_TPT1	Turning Point Weekly	28:30	Turning Point	21:00 6	sat
TRNP_TPP1	Turning Point Weekly PROMO	00:30	Turning Point	21:00 8	sat
TUA__TUA5	The Alternative Daily	25:00	The Urban Alternative	01:32 3	mon-fri
TUA__TUA1	The Alternative Weekend	29:30	The Urban Alternative	15:00 2	sat
TUA__TUPW	The Alternative Weekly promo	00:30	The Urban Alternative	01:30 3	mon
TUA__TUV5	Two Minutes with Tony	02:00	The Urban Alternative	01:31 3	mon-fri
TVFX_JPK1	Jonathan Park Radio Drama	25:55	The Vision Forum	00:30 3	sat
TWRM_FTS5	Footsteps Daily (2:00)	02:00	TWR	19:05 3	mon-fri
TWRM_GET5	Get Hope Daily (1:00)	01:00	TWR	19:08 3	mon-fri
UNSH_DES1	Desencadenados Sunday	30:00	Unshackled	16:00 3	sun
UNSH_FRE5	Free Indeed Daily	02:00	Unshackled	18:30 5	mon-fri
UNSH_UNS5	Unshackled Daily	29:45	Unshackled	18:30 5	mon-fri
UNSH_UNS1	Unshackled Sunday	30:00	Unshackled	16:00 4	sun

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Amb-OS Desig	Program Name	Runtime	Ministry	Queued	Air days
UNSH_UNP1	Unshackled Sunday PROMO	00:30	Unshackled	16:00 7	sun
UPWX_UPW5	Upwords Daily	01:00	Upwords	12:30 1	mon-fri
WAWX_WWD1	Word and the World	14:30	Word and the World	18:30 3	sun
WAWX_WWP1	Word and the World PROMO	00:15	Word and the World	18:00 3	sun
WITW_LSN5	Listen Up! (1:00 Daily)	01:00	Walk in the Word	09:30 3	mon-fri
WITW_WIW5	Walk in the Word - 1 Part	26:00	Walk in the Word	09:30 3	mon-fri
WITW_WIW5	Walk in the Word - Canadian/Border - 1 Part	26:00	Walk in the Word	09:30 3	mon-fri
WITW_WIW1	Walk in the Word - Weekly	26:00	Walk in the Word	04:30 5	sat
WITW_WIW1	Walk in the Word - Weekly BORDER	26:00	Walk in the Word	04:30 5	sat
WITW_WIPW	Walk in the Word Weekly Promo	00:30	Walk in the Word	23:21 4	mon
WMAG_LIS1	Listening In (Weekly)	26:30	World Magazine	13:00 0	fri
WMAG_TWE5	The World and Everything In It (Daily)	26:30	World Magazine	04:55 0	mon-fri
WMAG_TN15	This is News V1 (1:00)	01:00	World Magazine	04:45 0	mon-fri
WMAG_TN25	This is News V2 (1:00)	01:00	World Magazine	04:45 0	mon-fri
WMAG_TN35	This is News V3 (2:00)	02:00	World Magazine	04:45 0	mon-fri
WMAG_TN45	This is News V4 (2:00)	02:00	World Magazine	04:45 0	mon-fri
WMAG_TIN5	This is News V5 (2:30)	02:30	World Magazine	04:45 0	mon-fri
WMAG_TN65	This is News V6 (3:30)	03:30	World Magazine	04:45 0	mon-fri
WMAG_TN75	This is News V7 (3:30)	03:30	World Magazine	04:45 0	mon-fri
WMAG_TN85	This is News V8 (4:30)	04:30	World Magazine	04:45 0	mon-fri
WMAG_TN95	This is News V9 (4:30)	04:30	World Magazine	04:45 0	mon-fri
WORZ_TST1	The Storyteller (14:30)	14:30	Without Reservation	21:00 6	sat
WSCX_FPNP	First Person Promo	00:30	Wayne Shepherd Com	21:00 7	sat
WSCX_FPN1	First Person with Wayne Shepherd Weekly	24:00	Wayne Shepherd Com	21:00 5	sat
WTIX_WTD5	Women Today Daily	01:00	Campus Crusade	18:30 1	mon-fri
ZOND_TDPS	The Daniel Plan Special (Warren)	24:55	?	07:00 5	irregular
ZOND_TDPP	The Daniel Plan Special (Warren)	00:30	?	07:00 5	irregular

Amb-OS Live Programs

Program	Day(s)	Time (Eastern)	Channel
Everyday Relationships (Focus)	Mon-Fri	5:06 - 5:59:50 pm	TMAP1
Financial Issues Daily with Dan Celia	Mon-Fri	9:05 - 10:59:30 am	TMAP1
Financial Issues Weekend with Dan Celia	Saturday	11:05 - 11:59:30 am	TMAP1
NewLife Live	Mon-Fri	1:00 - 1:55 pm	TMAP1
Washington Watch Live	Mon-Fri	5:04:30 - 5:59:30 pm	TMAP2

The most current live program list can be found at http://www.focussat.net/ambos/live.html.

TMAP1 defaults to port 1 stereo
TMAP2 defaults to port 2 stereo
These can be changed by using the TMAPx command on the receiver's command web page. For more details

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see the Amb-OS AMR-100 Manual available at http://www.amb-os.com/support.html.

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Amb-OS Spanish Programs

Amb-OS Desig	Program Name	Runtime	Ministry	Queued	Air days
BGEA_MID5	Minuto Decisivo (BGEA Spanish 1:00)	01:00	Billy Graham Evangelical Assn	01:00:05 PM	mon-fri
BGEA_MOM1	Momentos de Decision (BGEA Spanish 14:30)	14:30	Billy Graham Evangelical Assn	01:00:06 PM	sat
BGEA_MOMP	Momentos de Decision PROMO (:30)	00:30	Billy Graham Evangelical Assn	01:00:06 PM	sat
BTTB_LBD5	La Biblia Dice (BTTB) Daily	14:30	Back to the Bible	07:00:03 AM	mon-fri
BTTB_LBD1	La Biblia Dice (BTTB) Weekend	14:30	Back to the Bible	07:00:03 AM	sat
FAMX_VFH5	Vida en Familia Hoy (FAM Spanish)	14:35	Family Life Today	12:00:03 PM	mon-fri
FOTF_AEO1_03 pt	Aventuras en Odesia (Odyssey Spanish)	25:30	Focus on the Family	12:15:04 AM	sat
FOTF_AOP1	Aventuras en Odesia promo (Odyssey Spanish)	00:30	Focus on the Family	12:14:04 AM	sat
FOTF_PISW	Conectados (Plugged in Spanish)	01:00	Focus on the Family	06:58:01 PM	fri
FOTF_ECM5	Enfoque 90-sec comentario	01:30	Focus on the Family	06:33:03 AM	mon-fri
FOTF_EAF5	Enfoque a la Familia	14:30	Focus on the Family	06:30:03 AM	mon-fri
IFLM_VPV5	Vision Para Vivir Daily NC	27:30	Insight for Living	12:30:03 PM	mon-fri
IFLM_VPV1	Vision Para Vivir Weekend	27:30	Insight for Living	01:00:05 PM	sat
IFLM_VIV5	Vivencias Daily Short Feature	01:00	Insight for Living	12:30:03 PM	mon-fri
ITM__ITS5	En Contacto (In Touch) Daily	24:30	In Touch	12:45:03 AM	mon-fri
ITM__SOM5	Solo un Minuto (Spanish)	01:00	In Touch	01:00:05 PM	mon-fri
LIBC_LDL5	Llamado de Libertad (Spanish)	01:00	Liberty Counsel	04:00:01 PM	mon-fri
LWFM_LWS5	El Amor Que Vale (LWF) Daily	25:00	Love Worth Finding	07:00:03 AM	mon-fri
LWFM_LWS1	El Amor Que Vale (LWF) Weekend	25:00	Love Worth Finding	07:05:03 AM	sat
RBCM_CBR1	La Clase Biblica Radial Sunday	14:30	RBC Ministries	02:00:03 PM	sun
RBCM_NPD7	Nuestro Pan Diario (RBC)	02:30	RBC Ministries	02:05:03 PM	7 days
RBCM_TES5	Tesoros Escondidos	00:59	RBC Ministries	02:10:03 PM	mon-fri
TRNP_TMD5	Momento Decisivo Daily	28:30	Turning Point	09:00:04 PM	mon-fri
UNSH_DES1	Desencadenados Sunday	30:00	Unshackled	04:00:03 PM	sun

The latest Spanish program list can be found at http://www.focussat.net/ambos/spanish.html.

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